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<120> 87 Human Secreted Proteins

<130> PZ004P1

<140> US 09/154,707

<141> 1998-09-17

<150> PCT/US98/05311

<151> 1998-03-19

<150> US 60/041,277

<151> 1997-03-21

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<150> US 60/056,370

<151> 1997-08-19

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<151> 1997-10-02

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tcatcacacc	ttccccgtgg	caaagaaaac	gtcagtcctc	ttcagggtgc	ttctggattt	960
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<210> 17
 <211> 683
 <212> DNA
 <213> Homo sapiens

<400> 17						
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cattgcccac	acacaaggat	ctaacacaa	ctcttgaata	aacatcccc	ttattcagaa	180
atgccccttc	ctatttccat	attgcaactt	tgcttacaaa	tttccaatct	gtctttctgt	240
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gtgtttgcta	ccaaagggcc	tgacacatagt	gagaagattg	tgcatgatct	gtgagctcta	360
ccacacctgg	aattagggat	caccaatatg	agaaaaaaa	ttggaggtag	aaataacatt	420
atcatatgtw	attggcatat	aaattacaga	tgtwtctatg	actaaaaacc	ctgtggatat	480
waaccmaatg	cagataaawtw	taataaaaatw	twtaaaaatw	twatcmaata	atgatagtgc	540
tattcaaata	cttcaaattt	gcacagtgat	ttattttctta	aaatatgtta	acacatgtga	600
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actcgagggg	ggcccgtacc	ctt				683

<210> 18
 <211> 1054
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (74)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1014)
 <223> n equals a,t,g, or c

<400> 18						
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cagggagcct	ctgctgtgct	tctggacctg	cccaactcgg	gtggggaggc	ccaagccaag	240
aagttaggaa	acaactgcgt	tttcgcccac	gccgacgtga	cctctgagaa	ggatgtgcaa	300
acagctctgg	ctctagcaaa	aggaaagttt	ggcgtgtgtg	atgtagctgt	caactgtgca	360
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gacttccagc	gagttcttga	tgtgaatctc	atgggcacct	tcaatgtgat	cgcctggtg	480
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<210> 19
 <211> 1393
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (127)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (376)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (447)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (782)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1379)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1382)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1383)
 <223> n equals a,t,g, or c

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atgaggncca	ccggaagggtg	aggaggacca	cccccgctcc	actggtcccc	aacgagaacc	180
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annaaaaaac	tcg					1393

<210> 20
 <211> 1215
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (15)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (61)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (65)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (104)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (180)
 <223> n equals a,t,g, or c

<400> 20						
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<210> 21
 <211> 2042

<212> DNA
<213> Homo sapiens

<400> 21

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<210> 22
<211> 1872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1871)
<223> n equals a,t,g, or c

<400> 22

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<210> 23
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (284)
 <223> n equals a,t,g, or c

<400> 23						
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<210> 24
 <211> 3533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (44)
 <223> n equals a,t,g, or c

<400> 24						
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<210> 25
 <211> 1148
 <212> DNA
 <213> Homo sapiens

<400> 25						
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ccctatta						1148

<210> 26
 <211> 717
 <212> DNA
 <213> Homo sapiens

<400> 26						
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<210> 27
 <211> 1099
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1030)
 <223> n equals a,t,g, or c

<400> 27						
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aaaaaaaaaa	aaaaaaaaaa					1099

<210> 28

<211> 941
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (864)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (897)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (938)
 <223> n equals a,t,g, or c

<400> 28
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 tgatgtcatg agtaacacca ctgtgcccaa tgccccccag gccaacagcg actccatggt 180
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<210> 29
 <211> 756
 <212> DNA
 <213> Homo sapiens

<400> 29
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 gtaagcagag gataaacaac tggaaggaga gcaagcacia agtcatcatg gcttcagcgt 180
 ctgctcgtgg aaaccaagat aaagatgccc attttccacc accaagcaag cagagcctgt 240
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 aatgtcagga agaaagtttc tggaagagag ctctgccttt ttctcttgta agcatgcttg 360
 tcaccagggg actagtctac caaggttatt tggcagctaa ttctagattt ggatcattgc 420
 ccaaagttgc acttgctggt ctcttgggat ttggccttgg aaaggatatca tacataggag 480
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 agaagggaga ctctcagcct tcagcttctt aaattctgtg tctgtgactt tcgaagtttt 660
 ttaaacctct gaatttgtac acatttaaaa tttcaagtgt actttaaaat aaaatacttc 720
 taatggaaaa aaaaaaaaaa aaaaaaaaaa actcga 756

<210> 30
 <211> 2100
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)
 <223> n equals a,t,g, or c

<400> 30

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<210> 31
 <211> 1448
 <212> DNA
 <213> Homo sapiens

<400> 31

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ccccccaa						1448

<210> 32
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (444)
 <223> n equals a,t,g, or c

<400> 32						
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<210> 33
 <211> 1326
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (352)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1324)
 <223> n equals a,t,g, or c

<400> 33						
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aaanaa						1326

<210> 34
 <211> 710
 <212> DNA
 <213> Homo sapiens

<400> 34						
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cgacgcgatt	ggctcgcgga	gggcagaaat	tactcagcaa	acatgactat	tattagctgc	120
ttagcaacag	ctcaccaaag	tagagagacc	acccaggtag	gcaacccagt	gtgtgcatcc	180
tgggtcttcg	ggcagcctct	gagagcgcca	accttctcgc	atgcaatact	tccattaagg	240
aatgctcccc	ctcctttctc	tcttattcct	tttcttttca	acagtgtctt	ctttttgtgg	300
gatgcctttg	cgcgcacaca	cgcgcgcgca	sgcacacaca	cgaacatttg	cctcgcggtta	360
gacacggggg	gaaatgtwat	atTTTTTTTaa	gcgcttaaac	aattttctgaa	attcctcaaa	420
gaaaagcctt	tcagargcac	cttggcctca	agctgcaaca	aatactggga	rgtccggctc	480
gcattcccgag	gcctgcacca	ataatgacag	cgtgctggat	artgcgccag	tgtgtgccag	540
atTTTTTTTT	cctcttctct	tttcttttat	aactaaaggg	aagacttagg	ctcttgccag	600
gaacaacgcc	tcgcattaa	ataaacagaa	tggaaagtta	aagaggaaa	caaggacggt	660
gggaaaagcc	atctttctta	aaatccgtct	gccccccagc	cgctttctcc		710

<210> 35
 <211> 1188
 <212> DNA
 <213> Homo sapiens

<400> 35						
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gatatgggtg	aaggggacaa	gtactggcac	tccatcagcc	acctgcagcc	agagacctcc	120
tacgacatta	agatgcagt	cttcaatgaa	ggaggggaga	gcgagttcag	caacgtgatg	180
atctgtgaga	ccaaagctcg	gaagtcttct	ggccagcctg	gtcgactgcc	acccccaaact	240
ctggccccac	cacagccggc	ccttccctgaa	accatagagc	ggccgggtggg	cactggggcc	300
atggtggctc	gctccagcga	cctgcccctat	ctgattgtcg	gggtcgctct	gggctccatc	360
gtttctcatca	tcgtcacctt	catccccttc	tgcttgtgga	gggcctgggtc	taagcaaaaa	420
catacaacag	acctgggttt	tctctgaagt	gcccctccac	cctcctgccc	gtatactatg	480
gtgccatttg	gaggactccc	aggccaccag	gcagtggaca	gcccctacctc	agtggcatca	540
gtggacgggc	ctgtgcta	gggatccaca	tgaatagggg	ctgcccctcg	gctgcagtgg	600
gctaccgggg	catgaagccc	cagcagcact	gcccaggcga	gcttcagcag	cagagtgcaca	660
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ctgstgtggg	ccagtcaggg	gtgaggagag	cccccgacag	tcctgtcctg	gaagcagtg	900
gggacctctc	atcttactca	gggcccccat	gctgcttggg	ccttgtgcca	gttgaagagg	960
tggacagtc	tgactcctgc	caagtgcagt	gaggagactg	gtgtccccag	caccccgtag	1020
gggcctacgt	aggacaggaa	cctggaatgc	agctctcccc	ggggccactg	gtgcgtgtgt	1080
cttttgaaac	accacctctc	acaatttagg	cagaagctga	tatcccagaa	agactatata	1140
ttgttttttt	tttaaaaaaa	aaaaaaaaaa	awcycggggg	ggggcccc		1188

<210> 36
 <211> 956
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (404)
 <223> n equals a,t,g, or c

<400> 36
 ggcagagcag tgaaaatgca tcctaaaaat tcaatgttta taccaggctc atgacactaa 60
 gatgtgacat ctggacacga ggggtcagcc acgtggatac atccctccca gattgcatct 120
 ccaggaatca ctctgctagc agaattggcg ccccatccct tactatgctg ctccctcctca 180
 aagtgcagcc cagaaggacc caggcctttg atgcacattg ggtgggtctc ccactacttt 240
 agttgaaatg ggagcatgct ggagtcggcg ttctgttgct tctggtgaga aggacatccc 300
 attgaccctt ggccaccagg tccagtattc cactcttctt tctgtcccag cctatcgccc 360
 tcccacyag gccccacccc acaacttctc ctcaaggag gttntccgc agctggaggg 420
 cttgcacaga ccagcagtca cagaaatcat tcttctgtct gtactggggc ttaactgcct 480
 gcaaatgtcc gagcactact gcataggatg ccagagccac cgaagataaa cacagccaag 540
 tttataata ataaaaggaa aaatctcagc ctgcagaact ctggttttga cccaccatcg 600
 gccagatgca catcttcagg gcctgttgag cactttctga aaagcagggc tcgtaataga 660
 ctccagcaca ttccatcaga gtcaggaaaa ctgctgtgag tcccagagaa tctagggtgc 720
 agggcagggg gcaggagtca taaggagtga taacctaaac tgtgtgtagt cagcggggag 780
 ggtcttatgt tatcagggtga aatgagagcc agtaagttag ttgatcctgt cacagatata 840
 accctgataa caccatag atacgcgaca cgtgtgtcct gccctgtct tccccatcca 900
 acatggttct tctgttccac agacattaaa ggggctttct gcaattactt aaaaaa 956

<210> 37
 <211> 1603
 <212> DNA
 <213> Homo sapiens

<400> 37
 tgcacccacg cgctccgtct gccaggaatc tgggtctttct gtagacccaa gtcagaaaga 60
 accatttctg gagttaaatc gaattattaga rgcattaaar gtcagagttc tgagacctgc 120
 tctggaatgg gcagtttcaa accgagagat gcttatagcc caaaacagct ccttgggaatt 180
 taaactacac agactgtatt ttattagctt rttaattgggt ggaacacaaa tcagcgagar 240
 gcattacaat atgctaaaaa ttttcagcca tttgccctaa atcatcaaaa agacattcag 300
 gttttgatgg gaagccttgt gtacctgaga caagggattg agaactcacc atatgttcac 360
 ctacttgatg caaaccagtg ggtgatatac tgtgacatct ttacacggga tgcttgtgcc 420
 ctctggggc tctccgtgga gtccctctc agtgtcagtt tctcagcagg ttgtgtggcg 480
 ctgcagctt taattaacat caaagccgtg attgaacaga ggcagtgtac tggagtttgg 540
 aaccagaaag atgaattacc tattgaagtg gaccttggta aaaagtgtct gtatcactct 600
 atatttgcct gcccatttct tctgcagcaa acaacagata acaatccacc catgaaattg 660
 gtctgtggtc atattataatc aagagatgcc ctgaataaaa tgtttaatgg tagcaaatta 720
 aaatgtccct actgtccaat ggaacaaagt ccaggagatg ccaaacagat attttctga 780
 agagataact ttagtttgca atttgtaagt gaaactgaat cgtgggtgca tttcagaaga 840
 gaacgttcca tataatgcag ctaaccaagg actcctgtgt ttctataagc taatgctcca 900
 gaaactttgc caacctgtta gtgtacacac actgagggga gtgctcccg tgaatattat 960
 catagggctt tattatattc ttgggtcttca tttctgatca agtaaatata ccagcagttg 1020
 tcattcaatg cagggtttttg tacttaatta tatggtgatt tttttacttt ttaagagcag 1080
 aaacggaaat tgacctcccc gccatgtgtt taatattcct cctgctttta cttttgtcat 1140
 tttcttgata atcgtaagcc ttgagagtgt ttgtgaaaaa gttttatttc ctgttatgta 1200
 tacataatta aatgaaaatt cttcagaaaa agtttgataa attgaattgt ggttatgaaa 1260
 ctaattttgca tttttatttg cttaagaaaag aaagctgtga tagattccag atatgctttt 1320
 tgatgttttc ctctgtccca gctccaagaa gtcagcacac ctgcatttta gctctgcatg 1380
 cagccccagc aggtctgcgtg ttttaagaatt tcattgttta actggctggg gtgagaagtc 1440
 ttccgttagc atagagtga aggagtacta ttgtttgggt gggtttttgt ttgtttgttt 1500
 ttgttttttg cttttattgc caagaggtgc ttgtttttaa agtatgttta ataaaaatgaa 1560
 attctaaagt taaraagtgt tcttaaagtt gatatttaac tct 1603

<210> 38
 <211> 1089
 <212> DNA
 <213> Homo sapiens

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<400> 38
ggcagagct acctttctgc ctgctttgct ggctgcaaca gcacgaatct cacgggctgt      60
gcgtgcctca ccaccgtccc tgctgagaac gcaaccgtgg ttcttggaat atgccccagt      120
cctgggtgcc aagaggcctt cctcactttc ctctgtgtga tgtgtatctg cagcctgatc      180
ggtgccatgg caagacaccc tcagtcacga tcctcatcag gacagtcagc cctgaactca      240
agtcttacgc tttgggagtt ctttttctcc tccttcgttt gttgggcttc atccctccac      300
ccctcatctt cggggctggc atcgactcca cctgcctggt ctggagcacg ttctgtgggg      360
agcaaggcgc ctgcgtcctc tacgacaatg tggctaccg atacctgtat gtcagcatcg      420
ccatcgcgct caaatccttc gccttcaccc tgtacaccac cacgtggcag tgctgaggaa      480
aaactataaa cgctacatca aaaaccacga gggcgggctg agcaccagtg agttctttgc      540
ctctactctg accctagaca acctggggag ggaccctgtg ccgcaaacc agacacatag      600
gacaaagtgt atctataacc tggaagacca tgagtgtgt gaaaacatgg agtccgtttt      660
atagtactga aaggagggtt gaactctgta ttagtaatcc aagggtcatt tttttcttaa      720
aaaaagaaaa aaaggttcca aaaaaaacca aaactcagta cacacacaca ggcacagatg      780
cacacacacg cagacagaca caccgacttt gtcctttttc tcagcatcag agccagacag      840
gattcagaat aaggagagaa tgacatcgtg cggcagggtc ctggaggcca ctgcgcggc      900
tgggccacag agtctacttt gaaggcacct catggttttc aggatgctga cagctgcaag      960
caacaggcac tgccaaattc agggaacagt ggtggccagc ttggaggatg gacattttctg      1020
gatacacata cacatacaaa acagaaaaca ttttttaaaa gaagtttctt aaaataaaaa      1080
aaaaaaaaa

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```

<210> 39
<211> 629
<212> DNA
<213> Homo sapiens

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```

<400> 39
agctcagttc ccttagaaat gaaattttta atgacactac caggtaagcc actgagacca      60
gtggaggtga tagctaagaa cataaggaat taagaatttt taatggagaa aggaggtaat      120
gaataccagt tacatcctaa gactcactgt agtgggtgagt gttgtaatat atctcgctat      180
ccatcctctt ttaagttttt ccttagaaag tcctctattg gtaccttga gggactgctg      240
tcaaaatata tggaaaagtg ggtctgtgtg gtacaagagg gaaatcacca gtgagctgca cagattagcc      300
agtctgtgct caagatcttc actaatgaaa gaaatcacca gtgagctgca cagattagcc      360
aaatactgag ctcatagaa ctactaaggc ctggacattt ctgcctaata caggactcct      420
gtaattatca gtctttgctt tggagcttcc cattgtgtag ctgaraattt gtcatatctg      480
cattataatc taaggtccca cataactaat cctgcttctc cccctttttc tttccctttc      540
ccagcgggta gctctgctgc atagtctgaa gactttccct gcccaatcct gataaaattc      600
ttgcactcgt aaccccatct cagtgtctg

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<210> 40
<211> 1964
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (353)
<223> n equals a,t,g, or c

```

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<220>
<221> misc_feature
<222> (476)
<223> n equals a,t,g, or c

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<400> 40
aagaagacat ggaaattgct gaaggatggt tcaggcatat taagaaaatc tttacgcagc      60
ttgaggaatt cagagcctct gaattgcttc gaagtggact ggacagatct aaataccttt      120
tagtgaaaga agccaaaatt attgctatga cctgtactca tgctgcctta aaacgacatg      180
acttggtcaa gctagggtttc aagtatgaca acattttgat ggaagaggct gctcagattc      240
tgagataga aacttttatc cctctctctc tacagaatcc tcaggatgga tttagccgac      300
taaaacgatg gattatgatt ggcgatcatc accagttacc tccagttatt aangaacatg      360
gcctttcaaa agtactcaaa catggagcag tctctcttca ctgcctttgt tcgcgttgga      420

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gttccgactg	ttgaccttga	tgctcaaggg	agagccagag	caagcttgtg	camctnctac	480
aactggcgat	acaagaatct	aggaaactta	ccccatgtgc	agctcttgcc	agagttagt	540
acagcaaatg	ctggccttact	gtatgacttc	cagctcatta	atgttgaaga	ttttcaagga	600
gtgggagaat	ctgaacctaa	tccttacttc	tatcagaatc	ttggagaggc	agaatatgta	660
gtagcacttt	ttatgtacat	gtgtttactt	ggttaccctg	ctgacaaaat	cagtattcta	720
acaacatata	atggccaaaa	gcatcttatt	cgcgacatca	tcaatagacg	atgtggaaac	780
aatccattga	ttggaagacc	aaacaagggtg	acaactgttg	atagatttca	aggtcaacag	840
aatgactata	ttcttctttc	tctgggtacga	accagggcag	tggggccatct	gaggggatgtc	900
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tccctcttcc	aaaactgttt	tgaactgact	ccagctttca	gtcagctcac	agctcgcccc	1020
cttcatttgc	atataattcc	aacagaaact	ttcccaacta	ctagaaagaa	tggagagaga	1080
ccatctcatg	aagtacaaat	aataaaaaat	atgcccaga	tggcaaaactt	tgtatacaac	1140
atgtacatgc	atttgatata	gactacacat	cattatcatc	agactttatt	acaactacca	1200
cctgctatgg	tagaagaggg	tgaggaagtt	caaaatcaag	aaacagaatt	ggaaacagaa	1260
gaagaggcca	tgactgttca	agctgacatc	ataccagtc	caacagacac	cagctgccgt	1320
caagaaactc	cagcctttca	aactgacacc	accccagtg	agacaggagc	cacttccact	1380
ccagaagcca	tccctgcttt	atctgagacc	acccctactg	tggtaggagc	tgtatctgca	1440
ccggcagaag	ctaacacacc	tcaggatgcc	acatctgccc	cagaagagac	caagtagcca	1500
aactgtagtc	cttctaaagg	aggacatggc	agtcaaaaag	tctgagtaaa	gctgtttttt	1560
gtattttata	tttgcttctg	ccattttact	gtcactaatt	aatgtttagt	tcttatattt	1620
gttaactgat	ttcgggtgtct	tgaatatatt	tttttaaatt	atgtgtatga	acaattctag	1680
tttcatttgt	tcaatcagaa	gagcaaataa	ccattccttt	catgttttga	tactgagtg	1740
tgctgtgaat	catacctaca	ttaaaatcat	tttctatgaa	tatataatat	atacttcaca	1800
tttttagtga	acttctctaa	agaagaggac	agaatatact	ggacttaacc	acgaataccc	1860
ttgagtgtcc	aaattgggaa	ggaactkgtt	tcttcygtta	tactaycaaa	tgcttaaatt	1920
ckgtttcctt	ttttcttacc	tttgtttgct	gtctttatgt	aaag		1964

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<210> 41
<211> 1522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1282)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1376)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1462)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1492)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1501)
<223> n equals a,t,g, or c

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<400> 41						
cgtgtccgcg	cgccctgggag	acgttgccctc	ggcccggagc	cgcccgcgpc	cccgcggctg	60
gaggttggtc	gccactggga	cactgtgaac	caggagtrag	tcggagctgc	cgcgctgccc	120
aggccatgga	ctgtgaggtc	aacaacgggt	ccagcctcag	ggatgagctc	atcacaaacc	180
tactgggtgt	tggttctctc	caaagctggt	ctgacaacag	cttccgcaga	gagctggagc	240
cactggggcca	cgagctggcca	gtgctggctc	cccagtgggg	gggctacgat	gagctgcaga	300
ctgatggcaa	ccgcagcagc	cactcccgct	tgggaagaat	agaggcagat	tctgaaagtc	360

aagaagacat	catccggaat	attgccaggc	acctcgccca	ggtcggggac	agcatggacc	420
gtagcatccc	tccgggcctg	gtgaacggcc	tggccctgca	gctcaggaac	accagccggt	480
cggaggagga	ccggaacagg	gacctggcca	ctgccctgga	gcagctgctg	caggcctacc	540
ctagagacat	ggagaaggag	aagaccatgc	tgggtgctggc	cctgctgctg	gccaagaagg	600
tggccagtc	cacgccgtcc	ttgctccgtg	atgtctttca	cacaacagtg	aattttatta	660
accagaacct	acgcacctac	gtgaggagct	tagccagaaa	tgggatggac	tgaacggaca	720
gttcacagaag	tgtgactggc	taaagctcga	tgtggtcaca	gctgtatagc	tgcttccagt	780
gtagacggag	ccctggcatg	tcaacagcgt	tctagagaa	gacaggctgg	aagatagctg	840
tgactttctat	tttaaagaca	atgttaaact	tataaccac	tttaaaatat	ctacattaat	900
atacttgaat	gaaaatgtcc	atttacacgt	atgtgaatgg	ccttcataatc	atccacacat	960
gaatctgcac	atctgtaaat	ctacacacgg	tgcctttatt	tccactgtgc	aggttcccac	1020
ttaaaaatta	aattggaaag	caggtttcaa	ggaagttaga	acaaaataca	attttttttg	1080
taaaaaaaa	ttactgttta	ttaaagtaca	accatagagg	atggctttac	agcaggcagt	1140
atcctgtttg	aggaaagcaa	gaatcagaga	aggaacatac	cccttaca	tgaaaaattc	1200
cactcaaat	agggactatc	yatcttaata	ctaaggaacc	aacaatcttc	ctgtttaaaa	1260
aaccacatgg	cacagagatt	cngaactaaa	gtgctgcact	caaatgatgg	gaagtcccgg	1320
ccccagtaca	ccaggggctt	tggacttttt	tcaacttcgt	ttccttttgt	ttggantcca	1380
aaagaaccac	tttgtgtgtc	ttaaaagggg	gtgaaggtga	tttaaggggc	ccaggtcagc	1440
cactggttgg	tttaca	cngggttaact	aactgcatac	aactttttcc	cntttccatg	1500
ncatcaggac	tttgctaaag	ac				1522

<210> 42
 <211> 875
 <212> DNA
 <213> Homo sapiens

<400> 42						
tgggatttcc	ctttatcatg	gaggccttgt	cccacttcc	ctatgtccct	ttccttgggtg	60
tctgtgtctg	tggggccatc	tacactggcc	tgttccttcc	tgagaccaa	ggcaagacct	120
tccaagagat	ctccgaggaa	ttacacagac	tcaacttccc	caggcggg	caggggcccca	180
cgtggaggag	cctggaggtt	atccagtc	cagaactcta	gtcccaaagg	ggtggccgta	240
gccaagcca	gctaccgtcc	tgctctctgc	ttcctgccag	ggccttggtc	ctcamtycct	300
yctgcattcc	tcatttaagg	agtgtttatt	gagcaccctt	tgtgtgcaga	catgggtcca	360
ggtgcttagc	aatcawtgg	gagcgtggta	tccaggctaa	aggtaattaa	ctgacagraa	420
atcagtaaca	acataattac	agggtgtgtg	tggcagytca	tgactgtaat	cccagcactt	480
ttgggagcca	agggtgggarg	atcaattgag	gccagagttt	gaaamcagct	aggtaacata	540
gtgagacccc	ctatctctac	aaaaaatttt	aaacattagc	tgggcatggg	ggtatgtgct	600
aacagctcta	gctactcagg	aggctgaggg	agcaggatca	cttgagtcca	agagttcaag	660
gtagcagtaa	gctacaatca	caccactgca	tgccagactg	ggtgacagag	ggagacttca	720
tctctttaa	acataataat	aataattaca	gactcaggaa	atgcagtga	agaaaaatac	780
aggttggcca	ggtgaggtgg	ctgatgcctg	taatccagc	actttggggag	gccaagatgg	840
gaagattgct	ttgagaccag	aagtttgaga	ccagc			875

<210> 43
 <211> 843
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (14)
 <223> n equals a,t,g, or c

<400> 43						
cccacgcggt	ccgnatcgct	cttccctcac	ttcagagggt	ggccagagct	gaatacccg	60
agagggacaa	gtaagggtcc	agttccaaaa	catcatgagg	atgtatcatc	ccacgtgtct	120
cacctgacag	ttacagagga	aaccgcgacc	cagaatgcac	gtgctgtctt	atgggaacac	180
tcagcgcaga	gtgctcaggt	ccggccacac	tcgggctgtg	cttggctgtg	ccatggaatt	240
cctcaggact	ttctcagcct	ccctaattgg	agaagcccct	ttacagcaag	acattttaccg	300
tttgtctgaa	aatagccgaa	ctgagctttt	cttcaggcta	tatgagaagt	ctctagacag	360
tgggcaccgt	cagaaagccc	agagccttgg	gatagctccc	accctgcctg	gctcagatct	420
tcccattttt	tttctcttgg	cactaacctc	accttttgtt	tttttgtgtt	tgtgtttgtt	480

tttgtttttg	cagagttgga	ttacagaaac	tcctatgaaa	ttgaatatat	ggagaaaatt	540
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cttcaggggc	ctcctccctt	gtgcagagtg	tctctgggag	ctcagacccc	aaatcgagtg	660
ttttctgtgt	acacagcttc	ccgggtgcac	agcaatgatg	gactggggct	gggggggttga	720
ggtttgact	caatccactt	cgtttgacat	tttcagggag	aaaatgatag	aatacaatta	780
gacgtcctgc	agaattactt	tcctagactg	agaaagagct	agagatttct	ttaaaaaaaa	840
aaa						843

<210> 44
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 44						
ctcttaggct	ttgaagcatt	tttgtctgtg	ctccctgac	ttcaggtcac	caccatgaag	60
ttcttagcag	tcctgggtact	cttgggagtt	tccatctttc	tggtctctgc	ccagaatccg	120
acaacagctg	ctccagctga	cacgtatcca	gctactggtc	ctgctgatga	tgaagcccct	180
gatgctgaaa	ccactgctgc	tgcaaccact	gcgaccactg	ctgctcctac	caactgcaacc	240
accgctgctt	ctaccactgc	tcgtaaagac	attccagttt	tacccaaatg	ggttggggat	300
ctcccgaaatg	gtagagtgtg	tccttgagat	ggaatcagct	tgagtcttct	gcaattgggtc	360
acaactattc	atgcttcctg	tgatttcctc	caactactta	ccttgccctac	gatatcccct	420
ttatctctaa	tcagttttatt	ttcttttcaa	taaaaaataa	ctatgagcaa	caaaaaaaaa	480
aaaaaaaa						489

<210> 45
 <211> 534
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (470)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (477)
 <223> n equals a,t,g, or c

<400> 45						
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cacctctcca	tcttatcaag	gaactcaact	cggctctggg	ctccccagtg	cccagtggtg	120
gccttttgaca	ggtaggagga	tgcaagtgtg	caggctattt	tgttttttgt	tacaaaaactg	180
tcttttccct	tttccctcc	acctgattca	gcattgatcc	tgtagagctgg	ttctcacaat	240
ctcctgggac	tggtctgagg	caggggcttc	gctctattct	ccctaaccat	actgtcttcc	300
tttccctctg	ccacttagca	gttatccccc	cagctatgcc	ttctccctcc	ctcccttgcc	360
ctggcatata	ttgtgcctta	tttatgctgc	aaatataaca	ttaaactatc	aagtgaaaaa	420
aaaaaaaaaa	aaaactccaa	ggggggggccg	gtacccaatt	ccccctatan	tgagtcntat	480
tacaattcac	tggggccgtcg	ttttacaacg	tcgtgaatgg	gaaaacctgg	gcgt	534

<210> 46
 <211> 1374
 <212> DNA
 <213> Homo sapiens

<400> 46						
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ccagggtgct	gcagaaggag	ggggagcagg	agtcacagat	gagagcggag	atccaggaca	180
tgaagcagga	gctctccaca	gtcaacatga	tggacaggtt	tgccagatat	gccaggctgg	240

aaagaaagat	caacaagatg	acggataaagc	tcaaaaccca	tgtgaaagct	cggaacagctc	300
aattagccaa	gataaaatgg	gtgataagtg	tcgcttttcta	cgtaattgcag	gctgcccctga	360
tgatctcact	cattttggaag	tattattctg	tcctctgtggc	tgctgtgccc	agtaaatgga	420
taacccctct	agaccgcctg	gtagcctttc	ctactagagt	agcagggtgg	gttggaatta	480
cctgttcggat	tttagtctgt	aacaaagttg	tcgctattgt	gcttcacccg	ttcagctgaa	540
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tgattttacac	tgttttgttt	tttaagaaac	aaaagtgcac	agttttagatt	tttttttttg	660
ttgaatatgt	ttgttcttgg	actttatgag	agagtcttat	aagaatcacg	attttctaca	720
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taagttcttt	gaagacttag	tgctgttttt	aatccagttt	agaaagtaac	ttaattttaa	960
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aagagttgta	tagtattatc	tacttacttg	aggctgttaa	tttttcatta	cagtgttttg	1140
taaatgtatc	cacgagacca	tgatgcattg	ttttgtgctc	aacttggtgt	ttgtatttaa	1200
agcattttga	atgaagtgtg	ttttataagc	atttaatat	tatgctcttt	agaatggaac	1260
acagaaaaca	aaccttataa	gtcctgatta	atctgaacca	ataacctgtg	tggcctacaa	1320
agtataattc	tattaaatgt	tccttaaaac	aaaaaaaaaa	aaaaaaaaaa	aaaa	1374

<210> 47
 <211> 596
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)
 <223> n equals a,t,g, or c

<400> 47						
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aagttagtta	aatcatgtgc	cttccatgag	ccttcatttg	gtaacttgga	aaatggaaat	120
aataacacta	gtcatatata	ttctacactg	ctaccatattg	gaccaaaggg	attatagatt	180
acaatcacca	tcatttcctgc	tgacagggtat	atagaaaaca	atttcattga	agaaaagtcc	240
ttacatttat	cctttttccta	atattctgcat	gggtaaacta	ataaatatag	tcattagaaa	300
acccttatta	ttattattag	ttcaatgtga	gaactgtctgc	agaaaaata	tgcttttataa	360
tattttcttg	aatatacata	atattcataa	attttcaaatt	cattgaaaat	taccttaaaa	420
ttggaaaaaa	tgtgcatttc	tactcatata	acagtataaa	attcctatgt	caatctcttt	480
tttttttttt	tgttttgagt	tggagtctcg	ctctgtcgcc	caggctgggc	aacagagcag	540
gaccctgtct	taattaaaaa	aaaaaaaaaa	aaactcgagg	ggggcccggt	acccta	596

<210> 48
 <211> 851
 <212> DNA
 <213> Homo sapiens

<400> 48						
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tgccccctct	gcccttatgc	ctgtggcaat	ctggccaacc	tcaagcgctca	tggtcgcatc	180
cactctggtg	acaaaccttt	tcggtgtagc	ctttgcaact	acagctgcaa	ccagagcatg	240
aacctcaaac	gtcacatgct	gcggcacaca	ggcgagaagc	cttccgctgt	gccacctgcy	300
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gggcaggagg	gcctgggtctc	tctgcctctg	agggctgggc	cccacctcat	agcccacctc	420
ctgttttgag	ctctcggggc	ccaccagccc	tggggactgc	tggcagccgg	gctgtccaca	480
cagactcatc	ctgaactagg	tccttcttcc	ccatgtttta	tacagacgga	ccagaagcca	540
cctttttctc	ccccgctggc	caggggctcc	acacagacta	acgtaggcac	tataaggacc	600
agcccaaccc	catgggctgg	ggggcccata	tggaccaggg	gaccttgcc	tgactgaggc	660
acttcacgag	ctcagtgaga	agggccctgt	attcacctcc	actgccccca	ggggctgtgg	720
acaaaccggc	tgggggactg	cccagcctcc	cacctgttta	tttaacttat	ttcagtgctt	780
tataataaag	gaaacactaa	caaagccatg	tctatgctga	attggcaatg	gcaggcaatt	840

tggccttacc c

851

<210> 49
<211> 2020
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1239)
<223> n equals a,t,g, or c

<220>
<221> misc_feature
<222> (1587)
<223> n equals a,t,g, or c

<400> 49
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ttatgtttgt tttgcctctt ctgtttcttg gaggagagtt gaggcttttc ttaggtgcat 120
acacagaccc aggtgaacac gctgactgtg aacctgccct gtatccggag ctgtgctggg 180
cactgagggg atgcaacaaa attaggagag gwtccttgct cccaacgtct acttctccta 240
cctcaacagg ggtccagggt gcagtgaact cagttcttgg cccttgggtg aggattcatg 300
gatgaatgaa agctagacct gatggggagg cattatgact aaataggccc agcctccttc 360
ccttccagct ctgtcctagg agcataggcg ggaaatctga gtagagtctg actgcagttt 420
ttgcttatga tttgtaaaag ccgtcatggg gtcaataaga aaataggggt gatggagggg 480
gagaagccca ggactggggag aatcgcacgt gccccagggg ttttcaccaa ggattttcaa 540
gacaaactgg agtaagaatt aaagccccag aggatttaatt tatcctgggt tgcaaaagag 600
cctcccatgc cagtaccgcc cagccttgga ggccggaatg ctcatggccc ctgtgggtctg 660
cttgtccttc agcccatgcc cagcagatac ctctctgact ggagacgggc tcaaagctgg 720
attagaaagg ggagmggcac ttgtgacttt gtttgactct gtgactcact tcctcgctca 780
caccttgttt gaactactgg actttcaact ggctttcctt aggtcaggca agcagacagc 840
tccccactga agaggtctgt acagtgacaa cccgggcccg cagcaaggac acagatgcag 900
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ctagaacayt ctgtccatgc gtcactcccc ccagttttrt ttttagcttt ggcttcaggg 1020
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ctgttgttat ttcattgagac gtgaatgttg cagagagtgg ggggattctg gttgttaagg 1140
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ggggcactga ccttgaaagt ggcaaaatgg aggtttcaca ggctgtgcyg gagcaggacy 1740
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taagcaggtg tcagtggaac gtttaagyac ttaaccattt ctctttcttc ttatggatgt 1860
gaactgtgct gtggataaat catttgtatt tcttgaatgt tctctatgac taacagttat 1920
taagtccggt gtgtatatgt gtaactaatg taactgcctt ttaaaatttc attacaataa 1980
aaatgacttt gctctgaama aaaaaaaaaa aaaaactcga 2020

<210> 50
<211> 2432
<212> DNA
<213> Homo sapiens

<400> 50
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agtggcggcg atgtttgtcg gctcgggatg ggtccaggat gttactcctt cttcttttgt 120
tgggggtctgg gcaggggcca cagcaagtcg gggcgggtca aacgttcgag tacttgaaac 180

gggagcactc	gctgtcgaag	ccctaccagg	gtgtggggcac	aggcagttcc	tcactgtgga	240
atctgatggg	caatgccatg	gtgatgaccc	agtatatccg	ccttacccca	gatatgcaaa	300
gtaaacaggg	tgccttgtgg	aaccgggtgc	catgtttcct	gagagactgg	gagttgcagg	360
tgcacttcaa	aatccatgga	caaggaaaga	agaatctgca	tggggatggc	ttggcaatct	420
ggtacacaag	gaatcggatg	cagccagggc	ctgtgttttg	aaacatggac	aaatttgtgg	480
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aactgcagct	ggagagaacc	ccagaagagg	aaaagctcca	tcgagatgtg	ttcttgcctt	900
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tctgggaagc	cacccacccc	agggcaaatg	tgctgtgatg	tgcccttccc	tgccagtcctt	1320
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ggttttgcat	ttgacccaac	cctctgccta	cctgaggagc	tttctttgga	aaccaggatg	1560
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tgccctggga	ttaaatcagt	tacaggccag	agtctccttg	gagggcctgg	aactctgagt	2340
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			2432

<210> 51
 <211> 2340
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (96)
 <223> n equals a,t,g, or c

<400> 51						
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aggcagcggc	ggcacctgcc	ggccgagcaa	tgccaagtga	gtacacctat	gtraaactga	180
gaagtatttg	ctcgaggcct	tccctgcaat	ggtaacccc	agctcaaagc	aagatgagaa	240
ggccagctt	gttattaaaa	gacatcctca	aatgtacatt	gcttgtgttt	ggagtgtgga	300
tcctttatat	cctcaagtta	aattatacta	ctgaagaatg	tgacatgaaa	aaaatgcatt	360
atgtggaccc	tgaccatgta	aagagagctc	agaaatatgc	tcagcaagtc	ttgcagaagg	420
aatgtcgtcc	caagtttgcc	aagacatcaa	tgccgctgtt	atttgagcac	aggtatagcg	480
tggaacttact	ccctttgtgt	cagaaggsc	ccaaagacag	tgaagctgag	tccaagtacg	540
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acttatttgt	tgctgtttta	tttaagagtg	ttgattttcaa	ctggcttcaa	gcaatggtaa	900
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ggtccctggg	cggagaggga	catagaatct	gtgacctctg	acaactgtga	agccaccctg	1980
ggctacagaa	accacagtct	tcccagcaat	tattacaatt	cttgaattcc	ttggggattt	2040
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gtgacttaaa	aaatcagaac	aaaacttcta	ttatccagag	tcattgggaga	gtacaccctt	2160
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atttaaaaaa	aagaaacttt	tctgaatgcc	tactggcggg	gtataaccagg	cagtgtgccca	2280
gtttaaaaaa	atgaaaaaga	ataaaaactt	ttgaggaama	aaaaaaaaaa	aaaaactcga	2340

<210> 52
 <211> 601
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (115)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (184)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (539)
 <223> n equals a,t,g, or c

<400> 52						
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cttttgcctt	tcccgtggcg	cccagagagag	aatgctggac	tctgcccact	tcagcgcaac	180
taangatttc	tcaagctagg	ggacaaacga	tcagcccaat	cctgagaagg	ggggaaccaa	240
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cagaacagag	actgacatct	cccaatctgc	cggcccccca	cctggaacac	tacagtgttc	420
tgcatgtcac	catgaccctg	gatgtgcaaa	ctgtagtctg	ttttgccgtg	attgtagtcc	480
tcctgcttgt	caatgtcata	ctcatgtttt	tcctgggaac	gcgtggaatg	gagtccagnc	540
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a						601

<210> 53
 <211> 359
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (343)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (347)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (349)
 <223> n equals a,t,g, or c

<400> 53
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 agagtgaagt gttataaaac aatgctgcct cttctatctt gcgctttttg tttgcacaaa 180
 ctctgtccccc ttctgtttct ctacgatgtt ttgatgcr gc atgaggcagt catgagaacc 240
 caccagatac agctgcctga tcctgaattt ccagaccaac agaaccaagt gctaaataaa 300
 actcttttta ataagttaaa aaaaaaaaaa aaaaaaaaaa aanaaanana aaaaaaaaaa 359

<210> 54
 <211> 1141
 <212> DNA
 <213> Homo sapiens

<400> 54
 ggcacgagct gctgaggcgt gagaatggcg tcccggggcc ggcgtccgga gcatggcgga 60
 cccccagagc tgttttatga cgagacagaa gcccggaat acgttcgcaa ctcacggatg 120
 attgatatcc agaccaggat ggctgggcga gcattggagc ttctttatct gccagagaat 180
 aagccctgtt acctgctgga tattggctgt ggcactgggc tgagtggag ttatctgtca 240
 gatgaagggc actattgggt gggcctggat atcagccctg ccatgctgga tgaggctgtg 300
 gaccgagaga tagagggaga cctgctgctg ggggatatgg gccagggcag ccattcaag 360
 ccaggcacat ttgatgggtg catcagcatt tctgctgtgc agtggctctg taatgctaac 420
 aagaagtctg aaaaccctgc caagcgctg tactgctttt ttgcttctct tttttctgtt 480
 ctctgtccggg gatcccgagc tgtcctgcag ctgtaccctg agaactcaga gcagttggag 540
 ctgatcacaa cccaggccac aaaggcaggc ttctccgggt gcatggtggt agactaccct 600
 aacagtgcga aagcaaaagaa attctacctc tgcttggttt ctgggccttc gacctttata 660
 ccagaggggc tgagtgaata tcaggatgaa gttgaacca gggagtctgt gttcaccaat 720
 gagaggttcc cattaaggat gtcgaggcgg ggaatggtga ggaagagtcg ggcattgggtg 780
 ctggagaaga aggagcggca caggcgccag ggcagggaag tcagacctga caccagctac 840
 accggccgca agcgcaagcc ccgcttctaa gtcaccacgc ggttctggaa aggcacttgc 900
 ctctgcactt ttctatatgt ttctagctgac aaagtagtat tttagaaaag ttctaaagtt 960
 ataaaaatgt tttctgcagt aaaaaaaaaa ttctctgggc cgggcgtggg ggctcacacc 1020
 tgtaatccca gcaccttggg aggcctgagg gggaggatca tttgaggcca ggagtttgag 1080
 acctgccttg gcaacataat gaaacttctt ttccaggag aaaaaaaaaa aaaaaaaaaa 1140
 a 1141

<210> 55
 <211> 1560
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)
 <223> n equals a,t,g, or c

<220>

<221> misc_feature
 <222> (1428)
 <223> n equals a,t,g, or c

<400> 55
 gagagagnga gagaggtatc actgcaaggc tactatgagt attttcaa at caccacatct 60
 tatcctgagc aagaggtcac tgttctgtgc tatggtaaga tacaaactat tccttcatat 120
 ataataaaat tccacctttt ttcaaaatta atatagggtg agtgaagtct mccaatcatg 180
 acrgcaragg aaattagtgt ctaaatgrac tgtgrgttac aggtaccttt cactwagggg 240
 caggcagggt tttataaaaa accmtgtggg aatcatcmtat tgccattaag ctctattac 300
 tagcttttaa gaccatttta taaagattat ctgggtgccta attaacaaga aagaaattag 360
 actcaggttt aagatgctgc tgggtgtctg aaattactct gaaagggtcat tcaaagaact 420
 tcaaacttaa aatttttcat tcatgtatct attccacagt caaaataaat caaaatttaa 480
 agctataaca tttttaaaag ataaaggaga atttgtggca cagctgcatt aacaaaacag 540
 acaccagtct aaagtgaac actaaacagg tattctctgt tcccacgggtg gaataaatat 600
 acacaattac acataagatt tcaactaaaga taggagatga ggcaaataac cctttgaaat 660
 tacctgcccc acaaatagag gcaggctaca ttaatttaac attttactgc aaaatggaaa 720
 aaatccccga ggtgactaac tcaaactcct catttcatgc acatgacctt ggcttctgtg 780
 ttctttccat agccacatcc aaatccagaa aggtcctctg accccatgct caaaaatgca 840
 acctcaagtc cctgaggtcc tcagcacaga ctgacattaa caagcctgtg ttcagccttc 900
 atccagaacc tccagggaat tcagggcac aaacacagag caaagcaccg tttctttaa 960
 caatggcttt aactgtcgaa tgagctctga caagccatat gcatttcata aacaaaccaa 1020
 aacatcatct tcatatcttc ctatttttct tgcaaaaatg ttaagccatc caagtaaaaa 1080
 aaaaaatttt aatttaacaa tgaaaaagga acttcaaagg gtttatgcca aaaaacaaac 1140
 cagtcctctg cagcctaact catttggttt tgggctgcga agccatgtag agggcgatca 1200
 ggcagtagat ggtccctccc acagtcagcg ccatgggtgg cgggtaaagc atttgggtcag 1260
 gcaggcctcg tttcaggtag acgggcacac catcagcttt ctggaaaaac tttgttagct 1320
 ctggaacttt gtttttccca gcataatcat acactgtgga atcgagggtc agtttagttg 1380
 gtgtggcaaa tatgataggg ggtgcttctg tggaaccac aggtcttnaa tctgcgggct 1440
 ataggcctcc gaagcccatg ctctctgcaa cttctgcgtg aagccactaa actttagta 1500
 catgacgccc agagtccggc ttcccgcatc cgctgccaac gcgaccgccc cagagaagga 1560

<210> 56
 <211> 1507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1047)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1301)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1507)
 <223> n equals a,t,g, or c

<400> 56
 ggaacgcaga gcggagcgtg gagagcggag cgaagctgga taacagggga ccgatgatgt 60
 ggcgaccatc agttctgctg cttctgttgc tactgaggca cggggccag ggaagccat 120
 cccagacgc agtccctcat ggccagggga ggggtgcacca ggcgcccc ctgagcgacg 180
 ctccccatga tgacgcccac gggaacttcc agtacgacca tgaggctttc ctgggacggg 240
 aagtggccaa ggaattcgac caactcacc cagaggaaag ccaggcccgt ctggggcgga 300
 tcgtggaccg catggaccgc gcgggggacg cgcacggctg ggtgtcgctg gccgagcttc 360
 gcgcgtggat cgcgcacacg cagcagcggc acatacggga ctcggtgagc gcggcctggg 420
 acacgtacga cacggaccgc gacgggcgtg tgggttgga ggagctgcgc aacgccacct 480
 atggccacta cgcgccgggt gaagaatttc atgacgtgga ggatgcagag acctacaaaa 540
 agatgctggc tcgggacgag cggcgcttcc ggggtggcca ccaggatggg gactcgtatg 600

ccactcgaga	ggagctgaca	gccttcctgc	accccgagga	gttcctcac	atgcgggaca	660
tcgtgattgc	tgaaaccctg	gaggacctgg	acagaaacaa	agatggctat	gtccagggtg	720
aggagtacat	cgcggatctg	tactcagccg	agcctgggga	ggaggagccg	gcgtgggtgc	780
agacggagag	gcagcagttc	cgggacttcc	gggatctgaa	caaggatggg	cacctggatg	840
ggagtggagt	gggccactgg	gtgctgcccc	ctgcccagga	ccagcccctg	gtggaagcca	900
accacctgct	gcacgaragc	gacacggaca	aggaygggcg	gctgagcaaa	gcgsaaatcc	960
tgggtaattg	gaacatgttt	gtgggcagtc	aggccaccaa	ctatggygag	gacctgacct	1020
ggcaccacga	tgagctgtga	gcmccngca	cctgccacag	cctcagaggc	ccgcacaatg	1080
accggaggag	gggcccgtgt	ggtctggccc	cctccctgtc	caggccccgc	aggaggcaga	1140
tgcagtccca	ggcatcctcc	tkccctggg	ctctcagggg	ccccctgggt	cggcttctgt	1200
cctgttcaca	cccccaacct	cagggagggg	ctgtcatagt	cccagaggat	aagcaatacc	1260
tatttctgac	tgagtctccc	agcccagacc	cagggacctt	nggccccaa	ctcagctcta	1320
agaaccgccc	caaccctctc	agctccaaat	ctgagcctcc	accacataga	ctgaaactcc	1380
cctggcccca	gccctctcct	gcctggcctg	gcctggggaca	cctcctctct	gccaggaggc	1440
aataaaagcc	agcgccggga	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1500
aaaaaaan						1507

<210> 57
 <211> 450
 <212> DNA
 <213> Homo sapiens

<400> 57						
tttttttact	cgaaaaaatg	tttaatatagaa	tttaaaattt	taacttcagg	gaatttggaa	60
gttcaatcat	tctcaaagag	gctgtaagga	tgattaaaat	cctgaaggaa	gccattgaag	120
aaacttcctt	ctgctctttc	tggaggatct	cttttcaatt	atctattcat	catatatattc	180
ttatcttctg	tgcacaattg	acaactcttc	tttacagcac	attcctctty	attcccatct	240
cttggtttct	gattgttctc	ggggctgtgg	ataaaacat	tctctgagaa	gctgataagc	300
aattggatga	gaaagargga	gargaaaact	ggcaggarga	tctggsccca	tgcccgcagc	360
cagcacatct	ctcttcagac	ctgggtgacc	cagccactgg	gaacctggca	ggcaccagct	420
acagtgttgg	acactgtctg	tgccgaattc				450

<210> 58
 <211> 1147
 <212> DNA
 <213> Homo sapiens

<400> 58						
ggcacgagac	ccattgagca	gaaggaggcc	aggtgggaaa	gctcctggga	agagcagcca	60
gactggacac	tgggctgctt	gagtcctgag	tcacaattca	gaattcctgg	gctccctggg	120
tgcattctat	cattccagtt	gaaagtttgc	ttccttccag	tcatgtggct	cttcattcta	180
ctctccttgg	ctctcatttc	agatgccatg	gtcatggatg	aaaaggtcaa	gagaagcttt	240
gtgctggaca	cggcttctgc	catctgcaac	tacaatgcc	actacaagaa	tcaccccaaa	300
tactggtgcc	gaggctattt	ccgtgactac	tgcaacatca	tcgccttctc	ccctaacagc	360
accaatcatg	tggccctgaa	ggacacaggg	aaccagctca	ttgtcactat	gtcctgcctg	420
aacaaagaag	acacgggctg	gtactggtgt	ggcatccagc	gggactttgc	cagggatgac	480
atggatttta	cagagctgat	tgtaactgac	gacaaaggaa	cctggccaat	gacttttggtc	540
tgggaaagac	tatcaggcac	aaaaccagaa	gctgcaaggc	tcccaaagtt	gtccgcaagg	600
ctgaccgctc	caggacgtcc	attctcatca	tttgcatact	gatcacgggt	ttgggaatca	660
tctctgtaat	cagtcatttg	accaaagga	ggagaagtca	aaggaataga	agggtaggca	720
acactttgaa	gcccttctcg	cgtgtcctga	ctccaaagga	aatggctcct	actgaacaga	780
tgtgactgaa	gattttttta	athtagttca	taaagtgatg	ctacaacaga	ataatcacca	840
tgacaactgg	ccccacacct	ccagagactga	ttctgatctc	ccaggaattc	tgaagggtccc	900
tctatccttg	acaacaatca	tttgacgcca	ggtagcaacg	gcagtagtca	gaggagctat	960
gatagaccac	acccaagcaa	ggctgccctc	aaataacatc	tcaagatctt	agttcttatg	1020
cattccatca	gtcagaagtg	aagaagaggt	ggagaatctg	gattggggac	caggaaatca	1080
cttgtatttt	gttagccaat	aaattcctag	ccagtgttga	atgaaaaaaa	aaaaaaaaaa	1140
aaaaaaa						1147

<210> 59
 <211> 777

<212> DNA
<213> Homo sapiens

```
<400> 59
ggcagagggt cctcagaagg gcgtgggctc tccagtcttc cacagtcccc accatgcctt      60
ggtgccttac cgctgacgta gctcaccat cttttacttg cctggctaag atgcatggca      120
tywcatttcc tccttggtgc actgcagtca gtccctcact gccccatct cctggaagag      180
gagcataagc tttgcaaggt cagccacttc tctggggtca cactagttac atcaagacag      240
gactccagct catatgtgcc agtgcagaca ctcttcatcc acctggggcc ctgggcttgg      300
gacctggytc cttgcacagc agargacccg gaggtgaga ggagcttgcg gttgtgtcat      360
agtcacctgg ccagarggaa cgtgagcccc tccaagctg cagarggarg garcargcgt      420
ggctgtcagc accgaggtag cagagaatta acattcttgt cagcagagaa tgaagcagga      480
atataattaa aactttgccc ttggaatagc tgattcattt gaattttatt ccacacgttt      540
gaaagaggaa agaaaatgtg aagacttgca gcctggttct cgctggcct gggctggccc      600
agctgtcagg cccggttcct ttctgagcat tcagtccact gatgttgact gaggggcagg      660
agagaccctc agcagggtat taccatatca gcctcctatc gctgctggga gaaattacca      720
tgaattcagt ggcttaaaac aacacacgag cctctctgag cctaccctgg ctcagga      777
```

<210> 60
<211> 1191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)
<223> n equals a,t,g, or c

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<400> 60
aagantgatt ttccttactc tccaaagcgt cagcattttg aagtttcttt tatgaaagtg      60
ggggcaagaa tcagggtgaa aatgagtgtg aacaaagccc atcctgtggt cagcaccac      120
tggaggtggc cagcagagtg gcctcagatg ttcttgcacc tggcccagga gcccaggaca      180
gaggtcaaat ctaggccccct tgggtctggct ggattcatca ggcaagattc gaaaacaaga      240
aaacctctag aacaagaaac aatcatgtct gcagcagata cggcactgtg gccctatggc      300
catggcaatc gtgagcacca agagaatgag ttacagaaat atctccaata caaagacatg      360
catctcctgg acagtggaca gtcgctggga cacacacaca cacttcaagg ctcacacaac      420
ctaacagcct taaatatctg aagaaacaga atcacgacat taagtacgca gagggagagg      480
taggctgaag cagcaggagg ccaattttat atcccacaga tttttttaa aatgactccc      540
cagcaagggg tggggagaaa gccactgatt taggagagtt cttggctcag ccaaccactg      600
cggttatcta cacgttttac aaaggcacrg aagtagagag gggctgcact cagcaccctc      660
cccagggcc gcacagccc acacgggtgg ttcttccctt ttcccttctg gccttgggtg      720
aattccctacc acggtggcct ctgccttttg gacaatgcct tcatgctcat ccccggtgca      780
aggatggagt ctgttaccat tttccagggg aaattccaag gaccagcccc gcctcattac      840
gttcacccca caggaagggt atctggaaaag cctgtaaaca cgtactctgg gtggctgagt      900
ggtgtcacca agctgctttt gtgcagggtc gaagcacaga caagagggca ggcagctgcc      960
ggaggcctga agtggggaga gatccccgca ggcctgcagg agccaggag aacctccaac      1020
tggatctaaa ctgtgggaca gcccaggcgt gcccctcttc acatggctcc caggctccct      1080
caaagccctt cccaggccct gcaggaagag agggagggtg aggagaggca gggaggggcag      1140
aggtcgcctg aaagcctggg ctccgaactc cctcagcaga gctttaaagt g      1191
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<210> 61
<211> 1580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1567)
<223> n equals a,t,g, or c

<220>
<221> misc_feature

<222> (1575)
 <223> n equals a,t,g, or c

<400> 61

ccccgcccc	cgcccacgaa	ggaagtggct	gctgctccgg	cgccggacca	gagccggttc	60
ggcgcgctga	ctgcccagag	tccgcggccg	ggcgcgggag	gagccaagcc	gccatggcct	120
accacagctt	cctgggtggag	cccatcagct	gccacgcctg	gaacaaggac	cgcacccaga	180
ttgccatctg	ccccaaacaac	catgaggtgc	atatctatga	aaagagcggt	gccaaatgga	240
ccaaggtgca	cgagctcaag	gagcacaacg	ggcaggtgac	aggcatcgac	tgggcccccg	300
agagtaaccg	tattgtgacc	tgcggcacag	accgcaacgc	ctacgtgtgg	acgctgaagg	360
gccgcacatg	gaagcccacg	ctggtcaccc	tgcggatcaa	ccgggctgcc	cgctgcgtgc	420
gctggggccc	caacgagaac	aagtttgctg	tgggcagcgg	ctctcgtgtg	atctccatct	480
gttattttcg	gcaggagaat	gactgggtgg	tttgcaagca	catcaagaag	cccatccgct	540
ccaccgtcct	cagcctggac	tggcacccca	acaatgtgct	gctggctgcc	ggctcctgtg	600
acttcaagtg	tccgatcttt	tcagcctaca	tcaaggaggt	ggaggaacgg	ccggcaccca	660
ccccgtgggg	ctccaagatg	ccctttgggg	aactgatgtt	cgaatccagc	agtagctgcg	720
gctgggtaca	tggcgtctgt	ttctcagcca	gcgggagccg	cgtggcctgg	gtaagccacg	780
acagcacctg	ctgcctggct	gatgccgaca	agaagatggc	cgtcgcgact	ctggcctctg	840
aaacactacc	actgctggcg	ctgaccttca	tcacagacaa	cagcctgggtg	gcagcggggc	900
acgactgctt	cccgggtgctg	ttcacctatg	acgccgcgcg	ggggatgctg	agcttcggcg	960
ggcggtggga	cgttcctaag	cagagctcgc	agcgtggctt	gacggcccg	gagcgcttcc	1020
agaaacttga	caagaaggcg	agctccgagg	gtggcacggc	tgccggcgcg	ggcctagact	1080
cgctgcacaa	gaacagcgtc	agccagatct	cggtgctcag	cgccggcaag	gccaaagtgt	1140
cgcagtctctg	caccactggc	atggatggcg	gcctgatgat	ctgggatgtg	aagagcttgg	1200
agtcagcctt	gaaggacctc	aagatcaaat	gacctgtgag	gaatatgttg	ccttcacctc	1260
agctgctggg	gaagcgggga	gaggggtcag	ggaggcta	ggttgctttg	ctgaatgttt	1320
ctggggtacc	aatacgagtt	cccatagggg	ctgctccctc	aaaaagggag	gggacagatg	1380
gggagctttt	cttacctatt	caaggaatac	gtgccttttt	cttaaatgct	ttcattttatt	1440
gaaaaaaaaa	aaaaatgccc	ccaaagcact	atgctgggtc	tgaactgctt	caaaatgtgg	1500
aggtaataaa	atgcaactgt	gtaaaaaaaa	aaaaaaaaaa	aaatgaccct	cgcgatctag	1560
aactagnccg	acgcntgggt					1580

<210> 62
 <211> 1117
 <212> DNA
 <213> Homo sapiens

<400> 62

ggcacgaggg	gcgatgcagc	acaggctaga	ggctgcgcaa	sgcggggggc	cgcccctggg	60
accctccggg	ccgggcggtt	tggcccccct	gcccgcgggc	gtcggggcg	taaaaggccg	120
gcagaaggga	ggcacttgag	aaatgtcttt	cctccaggac	ccaagtctct	tcaccatggg	180
gatgtggctc	attggtgcag	gagccctggg	ggctgctgcc	ttggcattgc	tgcttgccaa	240
cacagacgtg	tttctgtcca	agccccagaa	agcggccctg	gagtacctgg	aggatataga	300
cctgaaaaca	ctggagaagg	aaccaaggac	tttcaaagca	aaggagctat	gggaaaaaaa	360
tggagctgtg	attatggccg	tgcggaggcc	aggctgtttc	ctctgtcgag	aggaagctgc	420
ggatctgttc	tccttgaaaa	gcctgttgga	ccagctgggc	gtccccctct	atgcagtggg	480
aaaggagcac	atcaggactg	aagtgaagga	tttccagcct	tatttcaaag	gagaaatctt	540
cctggatgaa	aagaaaaagt	tctatggtcc	acaaaggcgg	aagatgatgt	ttatgggatt	600
tatccgtctg	ggagtgtggt	acaacttctt	ccgagcctgg	aacggaggct	tctctggaaa	660
cctggaagga	gaaggcttca	tccttggggg	agttttcgtg	gtgggatcag	gaaagcaggg	720
cattcttctt	gagcaccgag	aaaaagaatt	tggagacaaa	gtaaacctac	tttctgttct	780
ggaagctgct	aagatgatca	aaccacagac	tttgccctca	gagaaaaaat	gattgtgtga	840
aactgcccag	ctcagggata	accagggaca	ttcacctgtg	ttcatgggat	gtattgtttc	900
cactcgtgtc	cctaaggagt	gagaaaccca	tttatactct	actctcagta	tggtattatta	960
atgtatttta	atattctgtt	tagggccact	aaggcacaat	agccccaaaa	caagactgac	1020
aaaaatctga	aaaactaatg	aggattatta	agctaaaacc	tgggaaatag	gaggcttwaa	1080
atgactgccc	gctggtgcrt	gctcacactt	ggcccccac			1117

<210> 63
 <211> 361
 <212> DNA
 <213> Homo sapiens


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<400> 63
cccacgcgtg ckggcgcctg gcagccaccg cctgggaggt tactgtaagg cccgcagctc      60
ccgccagctc ccgcggaacts ctgccgcctc cttaccatga agccagtaag tcgtcgcacg      120
ctggactgga tttattcagt gttgctgctt gccatcgttt taatctcctg gggctgcacg      180
atctatgctt cgatgggtgc tgcaagacga cagctaagga agaaataccg agacaaaatc      240
tttgggacga atgaaaattt gtaactcttc tggatttaat tatctgaaaa tacagttctt      300
tccctcatgc ttatgtagat ataaaaataa aattcataat gcaaaaaaaaa aaaaaaaaaa      360
g

```

```

<210> 64
<211> 1668
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1664)
<223> n equals a,t,g, or c

```

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<400> 64
ggcacgaggt ctgccaagct atagaccatg gctgtgaaca catttggtgtg aacagtgcag      60
actcatcacac gtgcgagtgct ttggagggat tccggctcgc tgaggatggg aaacgctgcc      120
gaagaaggat gtctgcaaat caaccaccca tggctgcgaa cacatttgtg ttaataatgg      180
gaattcctac atctgcaaat gctcakaggg atttgttcta gctgaggacg gaagacgggtg      240
caagaaatgc actgaaggcc caattgacct ggtctttgtg atcgatggat ccaagagtct      300
tggaagaagag aatttttgagg tcgtgaagca gtttgtcact ggaattatag attccttgac      360
aattttcccc aaagccgctc gagtggggct gctccagtat tccacacagg tccacacaga      420
gttcactctg agaaacttca actcagccaa agacatgaaa aaagccgtgg cccacatgaa      480
atacatggga aagggtctta tgactgggct ggccctgaaa cacatgtttg agagaagttt      540
tacccaagga gaaggggcca ggccctttcc acaaggggtg ccagagcagc cattgtgttc      600
accgacggac gggctcagga tgacgtctcc gagtgggcca gtaaagccaa ggccaatggg      660
atcactatgt atgctgttgg ggtaggaaaa gccattgagg aggaactaca agagattgcc      720
tctgagccca caaacaagca tctcttctat gccgaagact tcagcacaat ggatgagata      780
agtgaaaaaac tcaagaaagg catctgtgaa gctctagaag actccgatgg aagacaggac      840
tctccagcag gggaactgcc aaaaacgggt caacagccaa cagtgaaca cagatatctg      900
tttgaagaag acaatctttt acggtctaca caaaagcttt cccattcaac aaaaccttca      960
ggaagccctt tggaaagaaa acacgatcaa tgcaaatgtg aaaaccttat aatgttccag      1020
aaccttgcaa acgaagaagt aagaaaatta acacagcgct tagaagaaat gacacagaga      1080
atggaagccc tggaaaatcg cctgagatac agatgaagat tagaaatcgc gacacatttg      1140
tagtcattgt atcacggatt acaatgaacg cagtgcagag ccccaaagct caggctattg      1200
ttaaatcaat aatgttgtga agtaaaaacaa tcagtactga gaaacctggg ttgccacaga      1260
acaaagacaa gaagtataca ctaacttgta taaatttatc taggaaaaaa atccttcaga      1320
attctaagat gaatttacca ggtgagaatg aataagctat gcaaggtatt ttgtaataata      1380
ctgtggacac aacttgcttc tgcctcatcc tgccttagtg tgcaatctca tttgactata      1440
cgataaagtt tgcacagtct tacttctgta gaacactggc cataggaat gctgtttttt      1500
tgtaytggac tttaccttga tatatgtata tggatgtatg cataaaatca taggacatat      1560
gtacttgtgg aacaagttgg attttttata caatattaaa attcaccact tcagagraaa      1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanaaaaa      1668

```

```

<210> 65
<211> 1353
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1322)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature

```

<222> (1341)
 <223> n equals a,t,g, or c

<400> 65

gggtcgaccc	acgcgctccg	ccacgcgtcc	ggatggctgc	gctgttgctg	agacacgttg	60
gtcgtcattg	cctccgagcc	cacttttagcc	ctcagctctg	tatcagaaat	gctgttcctt	120
tgggaaccac	ggccaaagaa	gagatggagc	ggttcttgaa	taagaatata	ggttcaaacc	180
gtcctctgtc	tccccacatt	actatctaca	gttggtctct	tcccatggcg	atgtccatct	240
gccaccgtgg	cactgggtatt	gctttgagtg	caggggtctc	tctttttggc	atgtcggccc	300
tgttactccc	tgggaacttt	gagtccttatt	tgggaacttgt	gaagtccctg	tgtctggggc	360
cagcactgat	ccacacagct	aagtttgcac	ttgtcttccc	tctcatgtat	catacctgga	420
atgggatccg	acacttgatg	tgggacctag	gaaaaggcct	gaagattccc	cagctatacc	480
agtcctggag	ggttgtcctg	gttcttactg	tgttgctctc	tatggggctg	gcagccatgt	540
gaagaaaagg	ggctcccagc	atcatcttcc	tacacattat	tacattcacc	catctttctg	600
tttgtcattc	ttatctccag	cctgggaaaa	gttctcctta	tttgtttaga	tcctttttgta	660
ttttcagatc	tccttggagc	agtagagtac	ctggtagacc	ataatagtgg	aaaagggtct	720
agttttcccc	ttgtttctaa	agatgaggtg	gctgcaaaaa	ctcccctttt	ttgcccacag	780
cctgcctact	ctcggcctag	aagcagttat	tctctctcca	tattgggctt	tgattttgtc	840
tgagggtcag	cttttggctc	cttcttctctg	agacagtggg	aacaatgcca	gctctgtggc	900
ttctgccctg	gggatgggccc	gggttggggg	gtgggttggg	gaggctttgg	gtgccactgc	960
ctgtgggttg	ctggcttaaa	ggacaattct	cttcattggg	gagagcccag	gccattaaca	1020
cctacacagt	gttattgaaa	gaagagaggt	gggggtggag	gggaattagt	ctgtcccagc	1080
tagagggaga	taaagagggc	tagttagttc	ttggagcagc	tgcttttgag	gagaaaatat	1140
atagctttgg	acacgaggaa	gatctagaaa	attatcattg	aacatattaa	tggttatttc	1200
tttttcttgg	atttccagaa	aagcctctta	attttatgct	ttctcatcga	agtaatgtac	1260
cctttttttc	tgaactgaa	ttaaatactc	attttatctt	tgaaaaaaaa	aaaaaaaaacc	1320
tnnggggggg	ccccggaccc	naattggccc	tat			1353

<210> 66
 <211> 1011
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (951)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (952)
 <223> n equals a,t,g, or c

<400> 66

cggaagaaa	cagccatcca	gacatttcag	aacacgtacc	aggtgttagc	tgtgaccttc	60
aatgacacaa	gtgatcagat	tatttctggt	ggaatagaca	atgatatcaa	ggtctgggac	120
tgccgcagaa	caagctaacc	tacaccatga	gaggccatgc	agattcagtg	actggcctga	180
gtttaagttc	tgaaggctct	tatcttttgt	ccaatgcaat	ggacaatata	gttcgtgtct	240
gggatgtccg	gccatttgcc	cccaaagaga	gatgtgtaaa	gatatttcaa	ggaaatgtgc	300
acaactttga	aaagaacctt	ctgagatgtt	cttggtcacc	tgatggaagc	aaaatagcag	360
ctggctcagc	cgacagggtt	gtttatgtgt	gggataccac	aagcaggaga	atattgtata	420
agctgcccgg	ccatgctggc	tccatcaatg	aagtggcttt	ccacctgat	gagcccatca	480
ttatctcagc	atcgagtgc	aagagactgt	atatgggaga	gattcagtg	agatatggac	540
tggaaagact	caaggccgct	tgtctttgag	acctcagact	gcataagtga	tgccaaatgt	600
tggatgtcca	ggytagcacc	ctcccttcag	atgaccattg	ctagcaagaa	acaggaggcg	660
gtggccatat	tccaaaaacc	acttctgtcc	catttcacca	ggatgactaa	ggcaagctcc	720
ctgtggcctc	taaaaaccac	ctgccagatt	tcaggggactg	tttttttttt	tctttttctt	780
ttttctgttt	ttctaattga	ggcccaatgt	gacaaatttg	ttgggtggga	tttttttttt	840
tttttgtaac	tggcttgat	gatattttct	ttctgtattt	ctctatatca	ttttgtatta	900
aaagccaaat	agatgccttt	ttacaagarm	aaaaaaaaaa	aaaaaaaaaa	nnaaaaaaaa	960
ctgggagggg	gggcccggta	cccaaatcgc	cggatatgat	cgtaaacaaat	c	1011

<210> 67
 <211> 1193
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (512)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1167)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1169)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1171)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1185)
 <223> n equals a,t,g, or c

<400> 67
 ggccggggcgg tgcgcactgc gggcgcaccc ctgccccggc gccgtccgtg cccgcggggac 60
 ctgacagccg ggtcagaggg cgaactgtgc tcaggccccg gctggacgca gagccagagc 120
 tgtccccaga ggagcagagg gtcctggaaa ggaagctgaa aaaggaaagg aagaaagagg 180
 agaggcagcg tctgcgggag gcaggccttg tggcccagca cccgcctgcc aggcgctcgg 240
 gggccgaact ggccctgggac tacctctgca gatggggcca aaagcacaag aactggagggt 300
 ttcagaagac gaggcagacg tggctcctgc tgcacatgta tgacagtgc aaggttcccc 360
 atgagcactt ctccaccctg ctggcctacc tggaggggct gcagggcccg gcccgagagc 420
 tgacgggtgca gaaggcggaa gcctgatgcg ggagctggat gaggagggt ctgatcccc 480
 cctgccgggg agggcccagc gcatccgaca gntgctgcag ctgctctcct agtgggttca 540
 gcgcggggcg gggccgctgc ccagtgcagg gctgcctcag accacacagg gtgcagctcc 600
 tccggcgggtg ggggcccggg tcaccagcag ggcagcggct gagcaagggc tttcagctcc 660
 tccggtgggt ggggcccggg tcaccagcac cagagcctcg caaggggccc tccctcctc 720
 cagaccctcc ttggccgggt acgctgtgac agtgatggca ggttcagtgc cttcagcgca 780
 gagcgtggat gctctggaat caccgggacc cctggccttg gagggaccct ccagccccag 840
 gaatctgctt tggagggaaa tgtctatatt tctaccggga atattttaga gattggggca 900
 tgctggctcc tcccgcacgc tgcaaacctg caccttccgc ctgattcccc atccccctgc 960
 gtgggcccga ttcctgggtc cctgcctgcg tccatcgagg ggccctggctg tggcctggtt 1020
 tcctttgacc ccacacagcg tcattgcggg tcatggggag cccctgggtg gagcttgtgg 1080
 agtcggatca cgtacctgtg cagaaaccgc ctctgtggct gcatttgaaa taaaaccoga 1140
 cccagcagca aaaaaaaaaa aaaaaancnc nagggggggc ccgnaccga att 1193

<210> 68
 <211> 560
 <212> DNA
 <213> Homo sapiens

<400> 68
 gaattcggca cgagttggca catgatgcaa aatgcatttc tcagagtaga ttgcagtcaa 60
 aaatgttggg aactactaag catgtgcara tagcatgcat gctgctgctg acctgccaga 120
 tattttctccc ttctctccct tctccctcat ttattcattc attactgat tcattcatcc 180
 cattaataaaa attatatgta tgttttgtgc aaagcaccct actcaaggct gcgggggtaca 240
 aaagtatatc agaagccttg ggctttgacm wactttctct tagtagtgct agatttgtgt 300

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ggatctgcca cacttactcc aggcctcttg tgacctgtgc tttgcattaa tctcttaggc 360
taagccacat accttttcat tatacaatct ttgctgatgc taaggacaga ttccaaagtg 420
ccctccttat aatttttgta tttaatgcaa agtgtaatca agaataggcc attggttaggt 480
caattgcttt tctgtattta tcttttcaaa caataaataa tcagtgggat gaaaaagggc 540
cggaaaaaaa aaaaaaaaaa

```

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<210> 69
<211> 1657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (343)
<223> n equals a,t,g, or c

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<400> 69
cggaacngagc cgccgccggg cacttcctgt ggaggccgca gcggtgctgg ggcgccgacgg 60
gagagagcca ggcagcgagc gagcgagccg agccgagcct cccgccgtcg ccatgggcca 120
gaacgacctg atgggcacgg ccgaggactt cgccgaccag ttcctccgtg tcacaaagca 180
gtacctgccc cacgtggcgc gcctctgtct gatcagcacc ttcctggagg acggcatccg 240
tatgtgtgtt cagtggagcg agcagcgcgga ctacatcgac accacctgga actgcccgtg 300
cctgctggcc tcgtccttct tcttctctca cttgctggga cantgactgg ctgcgtctctg 360
gtgttgagca ggaacttcgt gcagtacgcc tgcttcgggc tctttggaat catagctctg 420
cagacgattg cctacagcat tttatgggac ttgaagtgtt tgatgaggaa cctggccctg 480
ggaggaggcc tgttgctgct cctagcagaa tcccgttctg aagggaagag catgtttgctg 540
ggcgctcccca ccatgctgta gagctccccc aaacagtaca tgcagctcgg aggcagggtc 600
ttgctgtgtt tgatgttcat gacctcctt cactttgacg ccagcttctt tctattgtc 660
cagaacatcg tggggcacag ctctgatgat tttagtggcc attggtttta aaaccaagct 720
ggctgctttg actcttgttg tgtggctctt tgccatcaac gtatatttca acgccttctg 780
gaccattcca gtctacaagc ccatgcatga ctccctgaaa tacgacttct tccagaccat 840
gtcgggtgatt gggggcttgc tcctggtggt ggccctgggc cctgggggtg tctccatgga 900
tgagaagaag aaggagtggg aacagtacac gatccctacc tgcctggcta agaccgtgg 960
ccgtcaagga ctggttcggg gtggattcaa caaaactgcc agcttttatg taccctcttc 1020
ccttcccctc ccttggtaaa ggcacagatg ttttgagaac tttatttgca gagacacctg 1080
agaatcaatg gcttcaggac atgggttctc ttctcctgtg atcattcaag tgctcactgc 1140
atgaagactg ctgtgtctca gtgtttcaac ctaccaggg ctgtctcttg gtccacacct 1200
cgctccctgt tagtgccgta tgacagcccc catcaaataa ccttggccaa gtcacggttt 1260
ctctgtggtc aaggttgggt ggctgattgg tggaaagtag ggtggaccaa aggaggccac 1320
gtgagcagtc agcaccagtt ctgcaccagc agcgccctcg tcctagtggg tgttctgtt 1380
tctcctggcc ctgggtgggc tagggcctga ttcgggaaga tgcctttgca gggaggggag 1440
gataagtggg atctaccaat tgattctggc aaaacaattt ctaagatttt tttgctttat 1500
gtgggaaaca gatctaaatc tcattttatg ctgtatttta tatcttagtt gtgtttgaaa 1560
acgttttgat ttttgaaac acatcaaaat aaataatggc gtttgttgta aaaaaaaaaa 1620
aaaaaaactc grgggggggc ccggtaccca aatcgcc

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<210> 70
<211> 711
<212> DNA
<213> Homo sapiens

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<400> 70
ggcagcagcg aagaccctgt tcggaccctg ccccgattcc agactcaggt agatcgctcg 60
cataccctct accgtggaca ccaggcagcc ctggggctga tggagagaga tcaggatatc 120
cccagggagt aggggctacc ttgaggggat gatagacctc cccactccc agtgkkactc 180
tggaaatatg aaggaactag ggagtgggag agatttcaga gctggggaga ggagttcctc 240
ccttcaaagc cagcaactgc ctttggggaa tgtcgggggg tctctccttt ctctgcttgg 300

```

tgtkargtgg	tacacagtcc	ccccctcacc	tggcggaag	ctgtcccga	cagactcatc	360
tcagctttcc	cttggggcag	gatcgggggc	agcagctcca	gcagaaacag	caggatctgg	420
agcaggaagg	cctcgaggcc	acacaggggc	tgctggccgg	cgagtgggccc	ccacccctct	480
ggragctggg	cagcctcttc	caggccttcg	tgaagaggga	gagccaggct	tatgcgtaag	540
cttcatagct	tctgctggcc	tggggtggac	ccaggacccc	tggggcctgg	gtgccctgag	600
tggtggtaaa	gtggagcaat	cccttcacgc	tccttggcca	tggtctgagc	ggccagcttg	660
gcctttgcct	taataaatgt	gctttatttt	caaaaaaaaa	aaaaaaaaaac	t	711

<210> 71
 <211> 935
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (510)
 <223> n equals a,t,g, or c

<400> 71						60
ggcacagggt	gaaagccagc	taaaccccaa	gtggagaagt	gaaagacatg	gttgttccca	120
taagtttatt	gctcacatta	tgaagaagc	catagtcatt	agtgaaccac	tccttaggtt	180
gataaggaaa	ccaacacgga	agatctcttt	ctggaagaag	cagccagcct	cgtgaaggag	240
cggcccagcc	gcccggggccg	agggctgcct	tttgttcgga	gtggcacgat	tgcccgttcc	300
cagacattct	cgccctggagc	acgaagccag	tatgtttgca	gactttatcg	tagtgacagc	360
gacagttcaa	cgctgccccg	gaagtcccc	tttgtccgaa	atactttgga	aagacgaacc	420
cttcgctata	agcagtcatt	caggtctctc	ctggctgagc	tcattggccc	cacctccctg	480
gacttgagc	tggatctcca	ggcgtcgaga	acacggcaga	ggcagctgaa	tgaggagctc	540
tgcgcctccc	gtgagctgcg	gcagcgggtn	ggaggacgcc	cagctccgtg	gccagactga	600
cctcccaccc	tgggtgcttc	gggacgagcg	gctccgtggc	ctgctgcggg	agccgagcgg	660
cagacaagac	agaccaaact	tgactaccgt	catgagcagg	cggctgagaa	gatgctgaag	720
aaggcctcca	aggagatcta	ccagctgcgt	ggcagagcca	caaagagccc	atccaagtgc	780
agacctttag	ggagaagata	gcattcttca	caaggccaag	gatcaacata	cctcctctcc	840
cagccgacga	cgtctgatgg	agtgcattgt	gcacatgaag	tatttatcca	cctgttttat	900
tttcatgaag	ttcttagact	agctgaattt	gtcttttaaa	tatttgtgca	aagctattaa	935
tatacacatt	ttgtaaaaaa	aaaaaaaaaa	aaact			

<210> 72
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (504)
 <223> n equals a,t,g, or c

<400> 72						60
gcaggggcca	ggggytgggg	accgcggggc	ggacggggagc	gagtatgtcc	gctctgactc	120
ggctggcgct	tttcgctcgc	gttggaggcc	gccttttcag	aagcggctgc	gcacggactg	180
ctggagatgg	tggagtccgt	catgccgggt	gtgggtgtgca	cattgagccc	cggtatagac	240
agttccccca	gctgaccaga	tcccagggtg	tccagagcga	gttcttcagc	ggactcatgt	300
ggttctggat	tctctggcgc	ttttggcatg	actcagaaga	ggtgctgggt	cactttccgt	360
atcctgatcc	ttcccagtgg	acagatgaag	aattagggtat	ccctcctgat	gatgaagact	420
gaaggtgtag	actcagcctc	actctgtaca	agagccaggt	gagaatttca	aggattatcg	480
acttcatatt	gcacattaaa	gttacaaatt	aaagtggcct	ggtcaagaat	garaaaaaaa	504
aaaaaaaaatt	gggggggggc	cccn				

<210> 73
 <211> 620
 <212> DNA
 <213> Homo sapiens

```

<400> 73
gaattcggca cgaggaggag gggaggcggg gtaagtttgg tgggaaactc tgtaatttcc      60
wtttttactt tcacagcaat agtgcagaat ccagaatgga tgtcctcttt gtagccatct      120
ttgctgtgcc acttatacctg ggacaagaat atgaggatga agaaagactg ggagaggatg      180
aatattatca ggtgggtctat tattatacag tcacccccag ttatgatgac tttagtgcag      240
atttcaccat tgattactcc atatttgagt cagaggacag gctgaacagg ttggataagg      300
acataacaga agcaatagag actaccatta gtcttgaaac agcacgtgca gaccatccga      360
agcctgtaac tgtgaaacca gtaacaacgg aacctcagag tccagatctg aacgatgccg      420
tgtccagttt gcgaagtcct attccctcc tccctgtcgtg tgcctttgtt cagggtgggga      480
tgtatttcat gtagaagggt gaagaaggct gctatgactc tttggatggg agtctggcaa      540
gaggaaattg gaagataaaa taaataataa gtgaaataaa aaaaaaaaaa aaaaactcga      600
ggggggggccc ggtacccaat

```

```

<210> 74
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<400> 74
acaagggtgtg tgtaaagttt atgtttgtaa actgaattct atcttaaadc caaaaagaac      60
tcgggagtaa ttcatttttg tagcataaag atccctaagt tttattttga aatatctgat      120
ttttacacgt taaaaaataa cagggcatcg agaggattcc taggtgacat ccagactcct      180
ttagctttgt gtgtgtggca ccggttagtc tgcttctctc tcctttcttg cactgcttca      240
cacagccatg ccctgccagc ccgggcagggt gccttctctg caatgtacat ttgggcttct      300
gctcatgctg ccctccctcc cctccctctg ctcccaaccc cgccctttt gttcctccat      360
ggagtacttc catgggtgtg cctcccccag ccaagccata atagggtggt tccccctcgc      420
ttctgtagcc cttgcagaca tccctctgtt acagtaggtg ttgacttact tccccctcgc      480
ccgstaaagc cataaactcc ttaaggacag gtagcattct tagtatcttc gttcttctca      540
atgaccagta gaccattaaa catgtagcaa acaaatgtga a

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```

<210> 75
<211> 1843
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (10)
<223> n equals a,t,g, or c

```

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<220>
<221> misc_feature
<222> (24)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (91)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (213)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1633)
<223> n equals a,t,g, or c

```

```

<400> 75
aaacccaacn ccctccggtc ccnnaaagaa agcccagccc aaatcccaag ccggcagtga      60
gcccgcgaac aaggccctca agacgcccag ncgaacaagc agcccccagg agggccccgca      120
agagaactcc ctggcggccc aagcgggcag cttctgtgcg gcagaactca gccaccgaga      180
gcgcagacag catcgagatt tatgtcccgg agncccagac caggctctga gaccatgcag      240
gaggaaagaa acgatttttaa atcattaaaa acacaaaaaac taagtgcgaa cggaacagag      300
ttttctcaac ctttgctatg gttattctgt ctagagaccc tgagccaact ttcaaattga      360
cgcatacaag ggctcacaat ttggcttttt tgggtccctc ccagctttag gttatgaaga      420
ttttactcac aaaaaaaatc aacaaaaatc acgaaactag aaaacttttt ttttcctctt      480
gctggccgtg gtggactaga tagatggacg tcggcaactc ccggcccagc ctccatactg      540
cgggtcttttt actcgttcta tctgatgaga actcacacta gcttgttttac aagatgacga      600
cagtccaagg gcagccttgg gcacctgcca tgtccctcct ttcccagct atcccgcctc      660
tgaccttgat ttccattctt atgtttttct cttttccctt cagagctcac acagtgggtca      720
ccattgtggc aagcggcttt ctgggtctca gccctctctg cggttgaggg cccagaggac      780
agagagatgg acatgcgtcc cctccctccc ccgcgcaagt gctcacacac aacctcacgc      840
gcacacacac acacgcagat ggaggcgct cactgggagg tgccccgcca gccctgggca      900
gtgtcaggca ggactcactc accgctgagc agatgagaga agtttttagt ttggcgggtg      960
gaaatgagac gaagccacag ttatcacact ccagactcct gcccttttat tttctccagc      1020
ccctttcttc ttcagcaaaa tctaggactc ccgagtggct tccagggggc cgtcagtcct      1080
cagccgcgcc tgtgtccggt gcccgagggg cggggcggcg tgtctgtatg tatgtgtaca      1140
tatgcacata gaccttagag tgtatagtta acaaacgccc atctgctcac ccattgccac      1200
ccagcccgcc cgccgctggc tctcggggca cctggcagga ggccgggtgt tgaatagcat      1260
atatttttac atgtactata tctagggtgtg tgtacaagtg tgtgtaaaaa tatatacctt      1320
gtgtgtaagc agcccttttt ttttttggtc tccacccccc tcccccgcc ccgcactcct      1380
aagggcccat ctgcccagcc tctgagtttt ctgttctatt ttttttttaa cccaattat      1440
ccttctctct ctctgcccc cgcatccac tcccagggtg tcacgagccc tgagctgcaa      1500
tggcccgggc ctgcaggggc gggtagggga gggcarggct sagccccgaa gccagctcag      1560
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gtggcgcttg ctngcagggg accccccccc cgtcccaggg tgaaccaagg gtctgtctcg      1680
gggcccattt ccagcttggc cgccgtctgt gaccttgggg aagtcacttg acctctgtgt      1740
gcctcaactt cctcctctgt aaaacgggga cagtccctgc cctccctac ctcacaggca      1800
tgttgtgaga ataaatgagg taacgtgtaa aaaaaaaaaa aat      1843

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<210> 76
<211> 1441
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1056)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1081)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1109)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1328)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature
<222> (1362)
<223> n equals a,t,g, or c

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<220>
<221> misc_feature

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<222> (1419)

<223> n equals a,t,g, or c

<400> 76

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acacgccttc	atgaagggcg	ttttcacctt	cgctcacaggc	accggcatgg	cctttggctt	180
gcagatgttc	attcagagga	agtttccata	ccctttgcag	tggagcctcc	tagtggccgt	240
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cctctggctc	ttcctggaga	ccgggcagct	ccccaaagac	aggagcacag	atcagagaag	360
ctaggagagc	tccagcagg	gcacagagga	ttggggggcag	gaggagtctg	gaacacagcc	420
ttcatgcccc	ctgaccccag	gccgaccctc	cccacaccct	agggtagcccc	agtcgtatcc	480
tctgtccgca	tgtktggcca	ggcctgacaa	acacctgcag	atggctgctg	ccccaacctg	540
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acagcatngg	ccctgtgtcc	cccgaccacg	ctcagctgcc	angcctcacc	ttgccaggaa	1380
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<210> 77

<211> 910

<212> DNA

<213> Homo sapiens

<400> 77

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atcggggccc	tgggaagcgc	ctgtctatcc	cgggggcagg	acctgagcgc	ccctgacctt	180
cgagcctgtc	gcaggtacaa	gccccgcgg	agcgaatgta	acccggcctt	ggacgacctg	240
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gaatgaggcc	gtctcgggtg	ccccagctgg	atagagggaa	cctggccctt	tcctagggaa	720
caccctaggc	ttacccctcc	tgcctccctt	cccctgcctg	ctgctggggg	agatgctgtc	780
catgtttcta	ggggatttca	tttgccttct	cgttgaaacc	tgttggtaat	aaagtttttc	840
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gatagtgagt						910

<210> 78

<211> 2776

<212> DNA

<213> Homo sapiens

<400> 78

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ggagcggcag	cgraaggggg	aggctggggc	gcggcggcgt	tggcgcttct	gacggggggc	180
ggggaaatgc	tgctgaacgt	ggcgctgggt	gctctgggtg	tgctgggggc	ctaccggcgt	240
tgggtgcgct	gggggcggcg	gggtctgggg	gccggggccg	gggcggggcg	ggagagcccc	300
gccacctctc	tgccctcgcat	gaagaagcgg	gacttcagct	tgagcagct	gcgccagtac	360
gacggctccc	gcaacccgcg	catcctgctc	gcgggtcaatg	ggaaagtctt	cgacgtgacc	420
aaaggcagca	agttctacgg	cccggcgggt	ccatatggaa	tatttgctgg	tagggatgcc	480
tccagaggac	tgggccacatt	ttgcctagat	aaagatgcac	ttagagatga	atatgatgat	540
ctctcagatt	tgaatgcagt	acaaatggag	agtgttcgag	aatgggaaat	gcagtttaaa	600
gaaaaatatg	attatgtagg	cagactccta	aaaccaggag	aagaaccatc	agaatataca	660
gatgaagaag	ataccaagga	tcacaataaa	caggattgaa	ctttgtaaac	aaccaaagtc	720
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taatgtctag	tggggcttca	tcattcctgaa	aagaaggaga	cagggatttt	tttaaagagc	960
aagaaagtca	caatattact	tctttccttc	cttttttctt	tctttccttt	cttctttctc	1020
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<210> 79
 <211> 1487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (78)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (948)
 <223> n equals a,t,g, or c

<400> 79						
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gcatcagcga	ccagctgggg	ggccaggagc	tgcccgtgtt	cgggaacctg	tccctgctgg	180
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acatgaccac	caggctcatc	gtgaacctgt	cccagacctt	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagttcatcg	cgaccattcc	cctgggtgatg	tacctcagcg	480
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atccacagaa	tcagggagag	gattcgtggg	tgccgggact	ggggaggggg	acctgggggtg	1260
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gatgggatgg	ctgcacggcg	tggtgaaggt	actgaacgcc	acctcactgt	aagacggtag	1380
attttgtatt	ttaccacaat	aaacaaaaca	aaacaaaacc	aaaaaaaaaa	aaaaaaaaaa	1440
aaaaaaaaagg	aattcgatat	caagcttatc	gataccgtcg	acctcga		1487

<210> 80
 <211> 1563
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (14)
 <223> n equals a,t,g, or c

<400> 80						60
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gcttttgggg	cagagttttc	atcggaggca	tgtagagagt	taggcttttc	tagcaacttg	240
ctttgcagct	cttgtgatct	tctcggacag	ttcaacctgc	ttcagctgga	tcctgattgc	300
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ttaaagcttt	tgtagcagaa	tggaacatt	gctgaagaac	tgagcattct	caaagtgaac	540
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acttgccggt	aattatgcaa	atgatagttt	gtgataattg	gtccagtttt	acgaacaaca	900
gattttctaaa	ttagagaggt	taacaagaca	gatgattact	atgcctcatg	tgctgtgtgc	960
tcctttgaaag	gaatgacagc	agactacaaa	gcaataaaga	tatactgagc	ctcaacagat	1020
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aaatggctgt	aatattttaa	acttataaca	tcttattgtt	ggtaaatagtg	ctttatattt	1500
gtctgatttt	atttttcaaa	gttttttcat	ttatgaacac	attttctattg	gtatattatt	1560
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aaa						

<210> 81
 <211> 1020
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (20)
 <223> n equals a,t,g, or c

<400> 81
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 ctgagccccg tgggcaagca gtacgcgtcc cccgcagaca gacagctggt ggcgcagtct 180
 ggggtcgccg tcatcgactg ctccctgggcc aggctggacg agacaccgtt tgggaagatg 240
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 cgcccctaca gactttcctg cgtggaaagcg tttgctgcc a cttctgcat cgtaggcttt 360
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 aaccgccagc tcctggacaa gtacgcggcc tgcggcagcc cggaggaggt gctgcaggcg 480
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 ggagccagca gcagctgctg tgaagaggag cagacgcagg gacggggggc tgaggccagg 720
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 catatatttt tgaggctggg tgacgagaaa atctagagac atgagggaca taaatggggc 840
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 ttccagcaca gctgtgctct gtgtcctgcc tggcgctctc cgcaaatgaa gctgcaggcc 960
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<210> 82
 <211> 770
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (757)
 <223> n equals a,t,g, or c

<400> 82
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 gccgcgcgct cgggtcgtgg agccaggagc gacgtcaccg ccatggcagg catcaaagct 120
 ttgattagtt tgtccttttg aggagcaatc ggactgatgt tttttratgt tggatgtgcc 180
 cttccaatat acaacaaata ctggcccctc tttgttctat tttttacat cttttcacct 240
 attccatact gcatagcaag aagattagtg gatgatacag atgctatgag taacgcttgt 300
 aaggaacttg ccatctttct tacaacgggc attgtcgtgt cagcttttgg actccctatt 360
 gtatttgcca gagcacatct gattgagtgg ggagcttgtg cacttgttct cacaggaaac 420
 acagtcatct ttgcaactat actaggcttt ttcttgggtc ttggaagcaa tgacgacttc 480
 agctggcagc agtgggtgaaa agaaattact gaactattgt caaatggact tcctgtcatt 540
 tgttggccat tcacgcacac aggagatggg gcagttaatg ctgaatggta tagcaagcct 600
 cttgggggta ttttaggtgc tcccttctca cttttattgt aagcatacta ttttcacaga 660
 gacttgctga aggattaaaa ggattttctc ttttggaaaa aaaaaaaaaa aaaaacycga 720
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<210> 83
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (390)

<223> n equals a,t,g, or c

<400> 83

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ttcccagtac	ggtaggctga	ttcgtatgga	tgcaccacgg	ttgggtgactc	ccccacccc	180
acagagtttc	tggcggttcat	tcggttgaac	ccaaggccag	caagggtctga	ctgggaacaa	240
accgaacact	aggccgtgaa	ccaatcgtct	ctccgtgccc	gggagcgamc	ccgggggcct	300
ttcactctcc	caaggactcc	angggggggc	cgggtaccga	attccgcccc	tatagtgaat	360
ccgtnattac	aattccacnt	gggccgtccn	tttttcaaaa	cgttccgttg	aactgggaaa	420
aaccctttgg	cggttttacc	caactttaat	ccgcctttgc	aagcacatcc	ccccctttt	480
c						481

<210> 84

<211> 644

<212> DNA

<213> Homo sapiens

<400> 84

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<210> 85

<211> 1351

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (133)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1305)

<223> n equals a,t,g, or c

<220>

<221> misc_feature
 <222> (1344)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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<210> 87

<211> 2566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (22)

<223> n equals a,t,g, or c

<400> 87

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<210> 88
 <211> 540
 <212> DNA
 <213> Homo sapiens

<400> 88						
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<210> 89
 <211> 1863
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1836)
 <223> n equals a,t,g, or c

<400> 89						
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<210> 90
 <211> 2478
 <212> DNA
 <213> Homo sapiens

<400> 90

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 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (69)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (161)
 <223> n equals a,t,g, or c

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 gaagacatgg cctgctccca tctccctga agaggatcgc cgtgggcatg ttctttgtca 540
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 aaaaaaaaaa aaaaaaac 2058

<210> 92
 <211> 1411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1391)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1403)
 <223> n equals a,t,g, or c

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 caagacatcc ccgtagaagg agaaatcacc attcctatga gatctcgcat ccgggagttt 180
 gacagctcca cattaaatga atctgttcgc aataccatca tgcgtgatct aaaagctgtt 240

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<210> 93
 <211> 2187
 <212> DNA
 <213> Homo sapiens

<400> 93						
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cagccgcagc	agctcctggc	actgocggaga	agttgagccc	caaggcggcc	acgcttgccg	360
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<210> 94
 <211> 757
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (756)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (757)
 <223> n equals a,t,g, or c

<400> 94

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<210> 95
 <211> 2394
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1783)
 <223> n equals a,t,g, or c

<400> 95

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<210> 96
 <211> 672
 <212> DNA
 <213> Homo sapiens

<400> 96		
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<210> 97
 <211> 1419
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (517)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (539)
 <223> n equals a,t,g, or c

<220>
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 <222> (604)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (676)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (912)

<223> n equals a,t,g, or c

<400> 97

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ctctgttcaa	gtcattccac	acattttccct	atttttaggct	attataatat	agaaagaaaa	180
tgggaagcat	tagttggagc	tagaaaatga	actgtatatt	attgctatat	ttgctaatac	240
caactatttc	aataagtgtt	gtaccatatg	tagcattaaa	tataaaatac	ataaaagaat	300
gtacagaaaa	tagcttttat	tgagtaatat	tacattttcat	ttatactgta	gcaatatatt	360
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agtgcagtga	agtggaata	aaacctaaca	tgaatcaagg	ttgtttatgg	cagatgcatg	1320
tgttgcttta	cagagtttag	caaaagctct	taattttatg	tcatactgta	ttctactgaa	1380
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<210> 98

<211> 1830

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1813)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1830)

<223> n equals a,t,g, or c

<400> 98

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ccaaagcccc	catcttacia	tgtagctaca	acactgccca	gttatgatga	agcggagagg	300
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gtgctttctg	cccaagtggg	aattcatctt	ggtttgctat	gttaaaactg	taaatacaac	1740
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aaaaaaaaaa	aancccgggg	gggggccccn				1830

<210> 99

<211> 1145

<212> DNA

<213> Homo sapiens

<400> 99

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tgcaaaactg	atgtggctca	ggcaccctgg	ttttaattcc	ttgaggatct	ggcaattggc	180
ttacgcaaaa	ggtcaccatt	tgagggtcctg	ccttactaat	tatgtgctgc	ccaacaacta	240
aattttgta	ttgtttttct	ctagtttgag	cagggtctga	attttttcat	ttatttccct	300
ttttgccagc	agacagactt	gagttctgta	agacaagcaa	atacactgac	agaagtttac	360
catagtttct	aaaatgtaaa	aaagaaaacc	cccaaaagac	tcaagaaaat	tagaccacaa	420
attttgcatt	gttcatttga	gcactatttg	taataaaaata	acaaatgttt	gtgcattttt	480
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aggggacttt	gtcgccctgt	gcactaaaag	ggccagattt	tcagcagcca	aggacatcca	960
tacccaagtg	aatgtgatgg	gacttaaaag	aagtgaactg	agacaattca	ctctggctgt	1020
ttgaacagca	gcgtttcata	ggaagagaaa	aaaagatcaa	tcttgtattt	tctgaccaca	1080
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aaaaa						1145

<210> 100

<211> 734

<212> DNA

<213> Homo sapiens

<400> 100

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tgccctttta	tacactccta	tcacacagcac	ttccaccatg	tattacaagt	cttgacccat	180
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aatagtttct	ttttaaagta	gtttctttcca	tctttattct	gactagcttc	caaaatgtgt	300
tccctttttg	aatcgagggt	tttttggttt	gttttggttt	ctgaaaaaat	catacaactt	360
tgtgcttcta	ttgctttttt	gtgttttggt	aagcatgtcc	cttggcccaa	atggaagagg	420
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aacaatttag	tgacccttgg	taggttaaag	gttgcatat	ttatacttga	gatttttttc	540
ccctaactat	tctgtttttt	gtacttttaa	actatggggg	aaatatcact	ggtctgtcaa	600
gaaacagcag	taattattac	tgagttaaat	tgaaaagtcc	agtggaccag	gcattttctta	660
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ccgtaccct	atta					734

<210> 101

<211> 713

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (27)

<223> n equals a,t,g, or c

<400> 101

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tccggaccct	ccaagtggag	accctgggtg	agccccaga	accatgtgcc	gagcccgctg	240
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gtctggagca	gagtcttctc	gacatgtgtg	tgggagagaa	gcgaagggca	atcattcctt	420
ctcacttgcc	ctatggaaaa	cggggatttc	caccatctgt	cccagcggat	gcagtgggtc	480
agtatgacgt	ggagctgatt	gcactaatcc	gagccaacta	ctggctaag	ctgggtgaagg	540
gcattttgcc	tctggtaggg	atggccatgg	tgccaccctc	ctgggcctca	ttgggtatca	600
cctatacaga	aaggccaata	gacccaaagt	ctccaaaaag	aagctcaagg	aagagaaacg	660
aaacaagagc	aaaaagaaat	aataaataat	aaatttttaa	aaacttaaaa	aaa	713

<210> 102

<211> 1080

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (721)

<223> n equals a,t,g, or c

<400> 102

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caagatcaac	ttcaacaccc	gctttgtcat	gaagacgctc	atgaccatct	gccctggcac	180
tgtgctgctc	gtgttcagca	tctctctgtg	gatcattgct	gcctggaccg	tccgtgtctg	240

tgaaagtcct	gaatcaccag	cccagccttc	tggtctcatca	cttctctgctt	ggtagcatga	300
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ttccattggg	tatggggaca	tggtgcccc	cacatactgt	gggaaagggtg	tctgtctcct	420
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gcggatcaag	aatgytgcag	ccaatgtcct	tsgggaaaca	tggttaatct	ataaacacac	600
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<210> 103
 <211> 489
 <212> DNA
 <213> Homo sapiens

<400> 103						
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ccgacaacag	ctgctccagc	tgacacgtat	ccagctactg	gtcctgctga	tgatgaagcc	180
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accaccgctg	cttctaccac	tgctcgtaaa	gacattccag	ttttacccaa	atgggttggg	300
gatctcccca	atggtagagt	gtgtccctga	gatggaatca	gcttgagtct	tctgcaattg	360
gtcacaacta	ttcatgcttc	ctgtgatttc	atccaactac	ttaccttgcc	tacgatattc	420
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aaaaaaaaaa						489

<210> 104
 <211> 1529
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)
 <223> n equals a,t,g, or c

<400> 104						
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ttcttaggat	cctcctcccg	tccttctcat	ccttcatgtc	cagggtgctg	cagaaggacg	180
cggacaggag	tcacagatga	gagcggagat	ccaggacatg	aagcaggagc	tctccacagt	240
caacatgatg	gacgagtttg	ccagatatgc	caggctggaa	agaaaagatca	acaagatgac	300
ggataagctc	aaaaccctatg	tgaaagctcg	gacagctcaa	ttagccaaga	taaaatgggt	360
gataagtgtc	gctttctacg	tattgcaggc	tgccctgatg	atctcactca	tttggaagta	420
ttattctgtc	cctgtggctg	tcgtgccgag	taaatggata	acccctctag	accgcctggg	480
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agtataaaaa	cggatttctc	cttcctagct	tataatctga	tttacactgt	tttggttttt	660
aagaaacaaa	agtgcatagt	ttagattttt	ttttgttga	atatgtttgt	tcttggaact	720
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gcattgtttt	gtgctcaact	tgtgttttgt	atttaaagca	ttttgaatga	agtgtatttt	1260
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cccagtaaa	ctgaattttc	tcactaaaa				1529

<210> 105
 <211> 2435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (455)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2107)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2435)
 <223> n equals a,t,g, or c

<400> 105						
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aaaaaaaaa	aaaaaaaaa	aaaaaaaaa	aaaaan			2435

<210> 106
 <211> 805
 <212> DNA
 <213> Homo sapiens

<400> 106						
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gaatacaggt	aactaattgg	aaggagaggg	gaggtcactc	ttttgatggg	ggccctgaac	180
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ctctgacaac	tgtgaagcca	ccctgggcta	cagaaaccac	agtcttccca	gcaattatta	480
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cagagtcattg	ggagagtaca	ccctttccag	gaataatgtt	ttgggaaaca	ctgaaatgaa	660
atcttcccag	tattataaat	tgtgtattta	aaaaaaagaa	acttttctga	atgcctactg	720
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gaacaaaaaa	aaaaaaaaaa	aaatt				805

<210> 107
 <211> 1166
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1039)
 <223> n equals a,t,g, or c

<400> 107						
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acgttctgcaa	ctcacggatg	attgatatcc	agaccaggat	ggctgggcga	gcattggagc	180
ttctttatct	gccagagaat	aagccctgtt	acctgctgga	tattggctgt	ggcactgggc	240
tgagtggaa	ttatctgtca	gatgaagggc	actattgggt	gggcctggat	atcagccctg	300
ccatgctgga	tgaggctgtg	gaccgagaga	tagaggaga	cctgctgctg	ggggatatgg	360
gccagggcat	ccattccaag	ccaggcacat	ttgatgggtg	catcagcatt	tctgctgtgc	420
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gcatgggtgg	agactaccct	aacagtgcga	aagcaaagaa	attctacctc	tgcttgtttt	660
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cgggcgtggt	ggctcacanc	tgtaatccca	gcaccttggg	aggctgaggt	gggaggatca	1080
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aaaaaaaaa	aaaaaaaaa	actcga				1166

<210> 108
 <211> 586

<212> DNA
 <213> Homo sapiens

<400> 108
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 ccaggggagg gtgcaccagg cggccccctt gagcgacgct ccccatgatg acgcccacgg 180
 gaacttccag tacgaccatg aggccttctt gggacgggaa gtggccaagg aattcgacca 240
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 gggggacggc gacggctggg tgctgctggc cgagcttcgc gcgtggatcg cgcacacgca 360
 cgagcggcac atacgggact cgggtgagcgc ggcttgggac acgtacgaca cggaccgcga 420
 cgggcgtgtg ggttgggagg agctgcgcaa cgycacctat ggccactasg sgcccgktga 480
 agaatttcat gacgtggagg atgcagagac ytacaaaaag atgctggytc gggacgagcg 540
 gcgtttccgg gtggccgacc aggatgggga ctcgatggcc actcga 586

<210> 109
 <211> 1134
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (418)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (803)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (816)
 <223> n equals a,t,g, or c

<400> 109
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 atcattccag ttgaaagttt gcttccttcc agtcattgtg ctcttcattc tactctcctt 180
 ggctctcatt tcagatgcca tggatcatgga tgaaaaggtc aagagaagtt tgtgctggac 240
 acggcttctg ccatctgcaa ctacaatgac caytacaaga atcaccccaa atactgggtgc 300
 cgaggytatt tccgtgayta ctgcaacatc atcgcttctt cccctaacag caccaatcat 360
 gtggccctga aggacacagg gaaccagctc attgtcacta tgcctgcct gaacaaanaa 420
 gacacgggct ggtactgggtg tggcatccar cgggactttg cmaggggatga catggatttt 480
 acagagctga ttgtaactga cgacaaagga accctggcca atgacttttg gtctgggaaa 540
 gacctatcag gcaacaaaac cagaagctgc aaggctccca aagttgtccg caagctgacc 600
 gctccaggac gtccattctc atcatttgca tactgatcac gggtttggga atcatctctg 660
 taatcagtca tttgacaaa aggaggagaa gtcaaaggaa tagaagggtg ggcaacactt 720
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 tgaagwtttt ttttaatttag ttncataaag tgatgnctac aacagawtaa tcacccatga 840
 caactggccc cacacctcag agactgattc tgatctcca ggaattctga aggacctct 900
 atccttgaca acaatcattt gcagccaggt agcaacggcr gtagtcagag gagctatgat 960
 agaccacacc caagcaaggc tgccctcaaa taacatctca agatcttagt tcttatgcat 1020
 tccatcagtc agaagtgaag aagagggtga gaatctkgat tggggaccag gaaatcactt 1080
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<210> 110
 <211> 1333
 <212> DNA
 <213> Homo sapiens

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<400> 110
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gggagccatg tgaagagggg cagcctctgg ctgtccca ca gtttagatcc agttggaggt 180
tctccctggc tcctgcaggc ctgcggggat ctctcccccac ttcaggcctc cggcagctgc 240
ctgccctctt gtctgtgctt cagccctgca caaaagcagc ttggtgacac cactcagcca 300
cccagagtac gtgttttacag gctttccaga tcaccttctt gtggggtgaa cgtaatgagg 360
cggggctggt ccttgggaatt tcccctggaa aatggtaaca gactccatcc ttgacccggg 420
gatgagcatg aaggcattgt cccaaaggca gaggccaccg tggtaggaat tccaccaagg 480
ccagaaggga aaaagggaaga acccaccgtg tctggctgtg cgggccctgg ggagggtcgt 540
gagtgcagcc cctctctact tcygtgcctt tgtaaaacgt gtagataacc gcagtgtgtg 600
gctgagccaa gaactctcct aaatcagtgg ctttctcccc accccttgct ggggagtcac 660
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tcaggagttg gagaccaacc ctggcaacat aacaagacc tgtctctaca aaaaaaaaaa 1320
aaaaaaaaact cga 1333

```

```

<210> 111
<211> 1015
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1014)
<223> n equals a,t,g, or c

```

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<400> 111
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caaggaggtg gaggaacggc cggcacccac cccgtgggct ccaagatgcc ctttggggaa 120
ctgatgttcg aatccagcag tagctgcggc tgggtacatg gcgtctgttt ctcagccagc 180
gggagccgcy tggcctgggt aagccacgac agcaccgtct gcctggctga tgccgacaag 240
aagatggccg tcgcgactct ggcccttgaa acactaccac tgctggcgct gaccttcac 300
acagacaaca gcctgggtggc agcgggccac gactgtcttc cgggtgctgtt cacctatgac 360
gccgccgcyg ggatgctgag cttcggcggg cggctggacg ttcttaagca gagctcgcag 420
cgtggcttga cggcccgcga gcgttccag aacctggaca agaaggcgag ctccgaggg 480
ggcacggctg cgggcgcggg cctagactcg ctgcacaaga acagcgtcag ccagatctcg 540
gtgctcagcg gcggcaaggc caagtgtcg cagttctgca ccactggcat ggatggcggc 600
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aggctaattg ttgctttgct gaatgtttct ggggtaccaa tacgagttcc cataggggct 780
gctccctcaa aaaggagggg gacagatggg gagcttttct tacctattca aggaatacgt 840
gcctttttct taaatgcttt catttattga aaaaaaaaaa aaatgcccc aaagcactat 900
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aacnc 1015

```

```

<210> 112
<211> 711
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (345)
<223> n equals a,t,g, or c

```

```

<400> 112
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cataccctct accgtggaca ccaggcagcc ctggggctga tggagagaga tcagggtatcc 120
cccagggagt aggggctacc ttgaggggat gatagacctc cccactccc agtgkkactc 180
tgaaatatg aaggaactag ggagtggaa agatttcaga gctggggaga ggagtctctc 240
ccttcaaagc cagcaactgc ctttggggaa tgtcgggggg tctctcctt ctctgcttg 300
tttragggtg tacacagtcc ccccttcamc tggsggggaa ctgtncggga caractcatc 360
tcagctttcc cttggggcag gatcgggggc agcagctcca gcagaaacag caggatctgg 420
agcaggaagg cctcgaggcc acacaggggc tgctggcccg cgagtgggccc ccacccctct 480
ggragctggg cagcctcttc caggccttcg tgaagaggga gagccaggct tatgcgtaag 540
cttcatagct tctgctggcc tggggtggac ccaggacccc tggggcctgg gtgccctgag 600
tggtggtaaa gtggagcaat cccttcacgc tccttgcca tgttctgagc ggccagcttg 660
gccttgcct taataaatgt gctttatttt caaaaaaaaa aaaaaaaac t 711

```

```

<210> 113
<211> 1076
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1029)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1037)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc_feature
<222> (1040)
<223> n equals a,t,g, or c

```

```

<400> 113
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cggaataatc cgcgccttag aaacccacgc ttgggtgtaa cttattattg ttcttcctga 120
cctacttctt gtttatcact tccgggttca tcattttggc atttcggtga tcgggttgga 180
actattgaag cccgctttca ggttcttttc cccattttcc ctttgaaagg aagacttctg 240
gcttctccta aatctccgtt ctctgggtaa ggggagcca agcctctgtc atgaggaacg 300
gaaatgagag ggctcgggt gttactctaa aatccgcctt cagcttgac gccggaagct 360
gcgattcctg cagcggaaga ggcgtgatct ggccttcgac tcgctatgtc cactaacaat 420
atgtcggacc cacggaggcc gaacaaagtg ctgaggtaca agccccgcc gagcgaatgt 480
aaccggcct tggacgacc gacgcggac tacatgaacc tgctgggcat gatcttcagc 540
atgtcgggcc tcatgcttaa gctgaagtgg tgtgcttggg tcgctgtcta ctgctccttc 600
atcagctttg ccaactctcg gagctcggag gacacgaagc aaatgatgag tagcttcatg 660
ctgtccatct ctgccgtggt gatgtcctat ctgcagaatc ctacagccat gacgccccca 720
tggtgatacc agcctagaag ggtcacattt tggaccctgt ctatccacta ggcttgggct 780
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cggtgcccc agctggatag aggggaacct gccctttctt aggggaacacc ctaggcttac 900
ccctcctgcc tcccttcccc tgcttctgct tgggggagat gctgtccatg tttctagggg 960
tattcatttg ctttctcggt gaaacctgtt gttaataaag tttttcactc tgaaaaaaa 1020
aaaaaaaaa raaaacnagn gggggggccc ggaacccaat tcscgggata gtgagt 1076

```

```

<210> 114
<211> 1525
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature

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<222> (78)

<223> n equals a,t,g, or c

<400> 114

ccgctgctga	taactatggc	atcccccg	cctgcaggaa	ttcggcacgg	agctacggcg	60
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gcatcagcga	ccagctgggg	ggccaggacg	tgcccgtgtt	ccggaacctg	tccctgctgg	180
tgggtgggtg	cggcgccgtg	ttctcactgc	tattccacct	gggcaccccg	gagaggcgcc	240
ggccgcatgc	ggasgagcca	ggcgagcaca	ccccctgtt	ggccccctgc	acggcccagc	300
ccctgctgct	ctggaagcac	tggctccggg	agcsggcttt	ctaccagggt	ggcatactgt	360
acatgaccac	caggctcatc	gtgaacctgt	cccagacctt	catggccatg	tacctcacct	420
actcgctcca	cctgcccagg	aagtctcatc	cgaccattcc	cctgggtgat	tacctcagcg	480
gcttcttgtc	ctccttcttc	atgaagccca	tcaacaagt	cattggggagg	aacatgacct	540
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tgggtgtggc	cgtgtacgca	gcggtgtgtc	tgctgggtgc	tggctgtgcc	accatcctcg	660
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gtacggctcc	atgagcttct	tggataaggt	ggccaatggg	ctggcagtca	tggccatcca	780
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cctgctgtgg	ccgacccgcc	tgcgacgctg	ggaccgtgat	gcccggccct	gactcctgac	960
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gcttgagccc	caccgtgggt	ggcagcaggg	ctgcccggca	ggcttgggtg	actctgctgg	1440
cagcaataaa	agagatgacg	gcaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1500
aaaaaaaaaa	aaaccaccgg	tccgc				1525

<210> 115

<211> 1350

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc_feature

<222> (1343)

<223> n equals a,t,g, or c

<400> 115

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gcgcgcccgg	ccttctccct	ggagtaccga	gtcttctctc	aaaatgagaa	aggacaatat	180
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gaagtaccac	gctgggtctaa	tgcaaaaaat	gagattgcta	caaaggaccc	tttaaaccct	300
attaaacaag	atgtgaaaaa	aggaaaactt	cgctatgttg	cgaattttgt	cccgatataa	360
ggatatatct	ggaactatgg	tgccatccct	cagacttggg	aagaccaggg	gcacaatgat	420
aaacatactg	gctgtttgtg	tgacaatgac	ccaattgatg	tgtgtgaaat	tgggaagcaag	480
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tataatgata	tcaatgatgt	caaacggctg	aaacctggct	acttagaagc	tactgtggac	660
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ccctgtgaat	ctgctgtcac	agtaccaaca	gacgtggata	agtgtttcca	tcaccagaaa	960

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<210> 116
 <211> 2527
 <212> DNA
 <213> Homo sapiens

<400> 116						
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gcagagagca	accaatgtca	cctaccaagc	ccatcatgtc	agcaggaaca	agagaggta	180
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atacaatttt	aaaattgtct	ttttatatta	tatttatgct	tctgtgtcat	gattttttca	2220
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<210> 117
 <211> 1098
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (88)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (89)
 <223> n equals a,t,g, or c

<400> 117
 cgcacacag acaaccagaggaaatgg ttgggcagaa cagcaagggg ttcacatggc 60
 tatattaaaa caactgctgt agagattnncc tatgattctt tgaaactgaa aaaagactct 120
 cttgggtgcc cttcaagacc tattgaagat gaccaagaag tatatgatga tggttgcagag 180
 caggatgata ttagcagcca cagtcagagt ggaagtggag ggatattccc tccaccacca 240
 gatgatgaca tttatgatgg gattgaagag gaagatgctg atgatgggtt ccctgctcct 300
 cctaaacaat tggacatggg agatgaagtt tacgatgatg tggatacctc tgatttccct 360
 gtttcatcag cagagatgag tcaaggaact aatgttggaa aagctaagac agaagaaaag 420
 gaccttaaga agctaaaaaa gcagraaaaa gaaraaaaag acttcaggaa aaaattttaa 480
 tatgatgggtg aaattagagt cctatattca actaaagtta caacttccat aacttctaaa 540
 aagtggggaa ccagagatct acaggtaaaa cctgggtgaat ctctagaagt tatacaaacc 600
 acagatgaca caaaagttct ctgcagaaat gaagaaggga aatatgggtta tgccttcg 660
 agttaccctag cggacaatga tggagagatc tatgatgata ttgctgatgg ctgcatctat 720
 gacaatgact agcactcaac tttgggtcatt ctgctgtgtt cattaggtgc caatgtgaag 780
 tctggattttt aattggcatg ttattgggta tcmagaaaat taatgcacar aaccacttat 840
 tatcatttgt tatgaaatcc caattatctt tacaagtgt ttaaagtgtt aacatagaaa 900
 ataatctctc tgcttaattg ttatctcaga agactacatt agtgagatgt aagaattatt 960
 aaatattcca tttccgcttt ggctacaatt atgaagaagt tgaagggtact tcttttagag 1020
 caccagtaaa taatcctcct tcaaaaaata aaaataaaaa aaaaaaaaaa aaactcgagg 1080
 gggggcccg tacccaat 1098

<210> 118
 <211> 1679
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1679)
 <223> n equals a,t,g, or c

<400> 118
 tcgacccagc cgtccggcga gatccctacc gcagtagccg cctctgccgc cgcggagctt 60
 cccgaacctc ttcagccgcc cggagccgct cccggagccc ggccgtagag gctgcaatcg 120
 cagccgggag cccgcagccc gcgccccgag cccgcgcgcg cccttcgagg gcgccccagg 180
 ccgcgccatg gtgaagggtga cgttcaactc cgctctggcc cagaaggagg ccaagaagga 240
 cgagcccaag agcggcgagg aggcgctcat catccccccc gacgcgctcg cgggtggactg 300
 caaggacca gatgatgtgg taccagttgg ccaaagaaga gcctgggtgt ggtgcatgtg 360
 ctttggacta gcatttatgc ttgcaggtgt tattctagga ggagcatact tgtacaaata 420
 ttttgcactt caaccagatg acgtgtacta ctgtggaata aagtacatca aagatgatgt 480
 catcttaaat gagccctctg cagatgcccc agctgctctc taccagacaa ttgaagaaaa 540
 tattaaaaatc tttgaagaag aagaagttga atttatcagt gtgcctgtcc cagagtttgc 600
 agatagtgat cctgccaca ttgttcatga ctttaacaag aaacttacag cctattttaga 660
 tcttaacctg gataagtgt atgtgatccc tctgaacact tccattgtta tgccaccag 720
 aaacctactg aggttaactt ttaacatcaa ggctggaacc tatttgcctc agtcctatct 780
 gattcatgag cacatgggtta ttactgatcg cattgaaaac attgatcacc tgggtttctt 840
 tatttatcga ctgtgtcatg acaaggaaac ttacaaactg caacgcagag aaactattaa 900
 aggtattcag aaacgtgaag ccagcaattg tttcgcaatt cggcattttg aaaacaaatt 960
 tggcgtggaa actttaattt gttcttgaac agtcaagaaa aacattattg aggaaaatta 1020
 atatcacagc ataaccacac cttttacatt ttgtgcagtg attatttttt aaagtcttct 1080
 ttcattgaag tagcaaacag ggctttacta tcttttcatc tcattaattc aattaaaacc 1140
 attaccttaa aatttttttc tttcgaagtg tgggtgtctt tatatttgaa ttagtaactg 1200
 tatgaagtca tagataatag tacatgtcac cttaggtagt aggaagaatt acaatttctt 1260

taaatcattt	atctggattt	ttatgtttta	ttagcatttt	caagaagacg	gattatctag	1320
agaataatca	tatatatgca	tacgtaaaaa	tgaccacag	tgacttattt	gtagttgta	1380
gttgccctgc	tacctagtgt	gttagtgcat	ttgagcacac	attttaattt	tcctctaatt	1440
aaaatgtgca	gtattttcag	tgtcaaatat	atttaactat	ttagagaatg	atttccacct	1500
ttatgtttta	atatcctagg	catctgctgt	aataatattt	tagaaaatgt	ttggaattta	1560
agaaataact	tgtgttacta	atttgtataa	cccatatctg	tgcaatggaa	tataaatatc	1620
acaaagtgtg	ttaamwaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaan	1679

<210> 119
 <211> 1411
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1391)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1403)
 <223> n equals a,t,g, or c

<400> 119						
ggcacaggag	cgacccggga	gaaggagggc	camgakgcgg	aagcggagga	gtctccagga	60
gacccgggga	cagcatcgcc	caggccccctg	tttgagggcc	tttcagatat	atccatctca	120
caagacatcc	ccgtagaagg	agaaatcacc	attcctatga	gatctcgcat	ccgggagttt	180
gacagctcca	cattaaatga	atctgttcgc	aataccatca	tgctgatct	aaaagctgtt	240
gggaaaaaat	tcatgcatgt	tttgtacca	aggaaaagta	atactctttt	gagagattgg	300
gatttgtggg	gccctttgat	cctttgtgtg	acactcgcat	taatgctgca	aagagactct	360
gcagatagtg	aaaaagatgg	agggccccc	tttgagagg	tgtttgtcat	tgtctggttt	420
ggtgcagtta	ccatcacct	caactcaaaa	cttcttgagg	ggaacatata	tttttttcag	480
agcctctgtg	tgctgggtta	ctgtatactt	cccttgacag	tagcaatgct	gatttgccgg	540
ctggctactt	tggtgatcc	aggacctgta	aacttcatgg	ttcggctttt	tgtggtgatt	600
gtgatgtttg	cctggctctat	agttgcctcc	acagctttcc	ttgctgatag	ccagcctcca	660
aaccgcagag	ccctagctgt	ttatcctggt	ttcctgtttt	actttgtcat	cagttggatg	720
attctcacct	ttactcctca	gtaaatcagg	aatgggaaat	taaaaaccag	tgaattgaaa	780
gcacatctga	aagatgcaat	tcaccatgga	gctttgtctc	tgcccttat	ttgtctaatt	840
ttggaggtat	ttgataactg	agtaggtgag	gagattaaaa	gggagccata	tagcactgtc	900
accccttatt	tgaggaaactg	atgtttgaaa	ggctgttctt	ttctctctta	atgtcatttc	960
tttaaaaaa	catgtgcata	ctacacacag	tatataatgc	ctccttaagg	catgatggag	1020
tcaccgtggg	ccatttgggt	gacaaccagt	gacttgggaa	gcacatagat	acatcttaca	1080
agttgaatag	agttgataac	tattttcagt	tttgagaata	ccagttcagg	tgtagctctt	1140
aaacacattg	ccttatgact	attagaatat	gcctctcttt	tcataaataa	aaatacatgg	1200
tctatatcca	ttttctttta	tttctctctc	ttaagcttaa	aaaggcaatg	agagagggtta	1260
ggagtgggtt	catacacgga	gaatgagaaa	acatgcatta	accaatattc	agattttgat	1320
caggggaaat	tctayacttg	ttgcaaaaaa	aaaaaaaaaa	aaactcgagg	ggggcccggg	1380
acccaatcgc	ngtatatgat	cgnaaacaat	c			1411

<210> 120
 <211> 2223
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (338)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2206)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (2209)
 <223> n equals a,t,g, or c

<400> 120
 cctccggaag cgtttccaac tttccagaag tttctcgga cgggcaggag ggggtgggga 60
 ctgccatata tagatcccg gagcagggga gcgggctaag agtagaatcg tgtcgcggct 120
 cgagagcgag agtcacgtcc cggcgctagc cagcccacc caggcccacc gtggtgcacg 180
 caaaccactt cctggccatg cgctccctcc tgcttctcag cgcttctgc ctctggagg 240
 cggccctggc cgccgaggtg aagaaacctg cagccgcagc agctcctggc actgaggaga 300
 agttgagccc caaggcgcc acgcttgccg agcgcagncg gcctggcctt cagcttgtag 360
 caggccatgg ccaaggacca ggcagtgagg aacatcctgg tgtcaccctt ggtggtggcc 420
 tcgtcgctgg ggctcgctgc gctggggcggc aaggcgacca cggcgctcga ggccaaggga 480
 gtgctgagcg ccgagcagct gcgcgacgag gaggtgcacg ccggcctggg cgagctgctg 540
 cgctcactca gcaactcsac ggcgcgcaac gtgacctgga agctgggcag ccgactgtac 600
 ggaccacgct cagtgcgctt cgctgatgac ttcgtgcgca cagcaagcag cactacaact 660
 gcgagcactc caagatcaac ttccgcgaca agcgcacgcg ctgcagtcca tcaacgagtg 720
 ggccgcgcag accaccgacg gcaagctgcc cgaggtcacc aaggacgtgg agcgacggga 780
 cggcgccctg ytagtcaacg ccatgttctt caagccacac tgggatgaga aattccacca 840
 caagatggtg gacaaccgtg gcttcatggt gactcggctc tatacygtgg gtgtcatgat 900
 gatgcaccgg acaggcctct acaactacta cgacgacgag aaggaaaagc tgcaaatcgt 960
 ggagatgccc ctggcccaca agctctccag cctcatcctc ctcatgcccc atcacgtgga 1020
 gcctctcgag cgcttgaaa agctgctaac caaagagcag ctgaagatct ggtggggaa 1080
 gatgcagaag aaggctgttg ccatctcctt gcccagggtt gtggtggagg tgacctatga 1140
 cctgcagaaa cacctggctg ggctgggctt gactgaggcc attgacaaga acaaggccga 1200
 cttrtcacgc atgtcaggca agaaggacct gtacctggcc agcgtgttcc acgccaccgc 1260
 ttttagttg gacacagatg gcaacccctt tgaccaggac atctacgggc gcgaggagct 1320
 gcgcasccta agctgttcta cgccgaccac cccttcatct tcctagtgcg ggacacccaa 1380
 agcggctccc tgctattcat tgggcgcctg gtccggccta agggtgacaa gatgcgagac 1440
 gagttatagg gcctcagggt gcacacagga tggcaggagg catccaaagg ctcttgagac 1500
 acatgggtgc tattgggggt gggggggagg tgaggtacca gccttgata ctccatgggg 1560
 tgggggtgga aaarcagacc ggggttcccg tgtgcctgag cgacacctcc cagctagaat 1620
 tcaactccact tggacatggg cccagatac catgatgctg agcccggaaa ctccacatcc 1680
 tgtgggacct gggccatagt cattctgect gccctgaaag tcccagatca agcctgctc 1740
 aatcagtatt catatttata gccagggtacc ttctcacctg tgagacccaa ttgagctagg 1800
 ggggtcagcc agcctcttc tgacactaaa acacctcagc tgcctcccca gctctatcc 1860
 aacctctccc aactataaaa ctagggtgctg cagcccctgg gaccaggcac cccagaaatg 1920
 acctggccgc agtgaggcgg attgagaagg agctcccagg aggggcttct gggcagactc 1980
 tgggtcaagaa gcacgtgtg tggcggtgtg gggatgaact ttttgtttt tttcttctt 2040
 ttttagttct tcaaagatag ggaggggaagg gggaacatga gcctttgttg ctatcaatcc 2100
 aagaacttat ttgtacattt tttttttcaa taaaactttt ccaatgacaa aaaaaaaaaa 2160
 aaaaaaaaaa mwmggggsgg gccgctccta gagggatccc tccgangng cccaatcgaa 2220
 aat 2223

<210> 121
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 121
 Met Lys Lys Gln Ser Lys Arg Cys Leu Trp Lys Pro Pro Gly Ser Leu
 1 5 10 15
 Arg Arg Leu Trp Trp Met Arg Ala Leu Leu Ile Leu Lys Tyr Ile
 20 25 30

<210> 122
 <211> 198
 <212> PRT
 <213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (29)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 122

Met Lys Lys Ser Leu Glu Asn Leu Asn Arg Leu Gln Val Met Leu Leu
 1 5 10 15

His Leu Thr Ala Ala Phe Leu Gln Arg Ala Gln His Xaa Phe Asp Tyr
 20 25 30

Lys Asp Glu Ser Gly Phe Pro Lys Pro Pro Ser Tyr Asn Val Ala Thr
 35 40 45

Thr Leu Pro Ser Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr
 50 55 60

Ile Pro Leu Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp
 65 70 75 80

Phe Asp Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met
 85 90 95

Leu Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe Leu
 100 105 110

Ser Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile Ser
 115 120 125

Gly Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg Phe Ser
 130 135 140

Thr Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu Trp Trp Val
 145 150 155 160

Phe Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly Phe Ile Asn Tyr
 165 170 175

Ala Lys Val Arg Lys Met Pro Glu Thr Phe Ser Asn Leu Pro Arg Thr
 180 185 190

Arg Val Leu Phe Ile Tyr
 195

<210> 123

<211> 39

<212> PRT

<213> Homo sapiens

<400> 123

Met His Asn Gln Arg Gln Val Phe Leu Phe His Leu Phe Ser Asn Tyr
 1 5 10 15

Leu Leu Ser Ile Asn Ser Val Pro Gly Thr Leu Leu Ala Ala Thr Tyr
 20 25 30

Cys Leu Asn Met Thr Tyr Gly
 35

<210> 124
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 124
 Met Arg Lys Lys Phe Leu Leu Ala Gln Val Phe Leu Ser Leu Ser Val
 1 5 10 15
 Met Pro Ser Met Pro Val Thr
 20

<210> 125
 <211> 110
 <212> PRT
 <213> Homo sapiens

<400> 125
 Met Val Leu Leu Cys Leu Leu Leu Val Pro Leu Leu Leu Ser Leu Phe
 1 5 10 15
 Val Leu Gly Leu Phe Leu Trp Phe Leu Lys Arg Glu Arg Gln Glu Glu
 20 25 30
 Tyr Ile Glu Glu Lys Lys Arg Val Asp Ile Cys Arg Glu Thr Pro Asn
 35 40 45
 Ile Cys Pro His Ser Gly Glu Asn Thr Glu Tyr Asp Thr Ile Pro His
 50 55 60
 Thr Asn Arg Thr Ile Leu Lys Glu Asp Pro Ala Asn Thr Val Tyr Ser
 65 70 75 80
 Thr Val Glu Ile Pro Lys Lys Met Glu Asn Pro His Ser Leu Leu Thr
 85 90 95
 Met Pro Asp Thr Pro Arg Leu Phe Ala Tyr Glu Asn Val Ile
 100 105 110

<210> 126
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 126
 Met Leu Leu Leu Phe Ile Tyr Phe Tyr Ser His Pro Ala Pro Val Pro
 1 5 10 15
 Ala Gly Ala Thr Ser Lys Pro Arg Tyr Arg Val Ile Thr Cys Gly Pro
 20 25 30
 Ala Ser Val Phe Ser Thr Ser Phe Ser His Ser Pro Pro Ala Arg Cys
 35 40 45
 Leu Gly Arg Leu Glu Gln Met Phe His Phe Gly Leu Ala Ser Gly
 50 55 60

<210> 127
 <211> 30
 <212> PRT

<213> Homo sapiens

<400> 127

Met Pro Phe Pro Ile Ser Ile Leu Gln Leu Cys Leu Gln Ile Ser Asn
1 5 10 15

Leu Ser Phe Cys Leu Gln Lys Ile Tyr Lys Ile Pro Phe Val
20 25 30

<210> 128

<211> 53

<212> PRT

<213> Homo sapiens

<400> 128

Met Ala Ala Ala Cys Arg Ser Val Lys Gly Leu Val Ala Val Ile Thr
1 5 10 15

Gly Gly Ala Ser Gly Leu Gly Leu Ala Thr Ala Asp Asp Leu Trp Gly
20 25 30

Arg Glu Pro Leu Leu Cys Phe Trp Thr Cys Pro Thr Arg Val Gly Arg
35 40 45

Pro Lys Pro Arg Ser
50

<210> 129

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (10)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (28)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 129

Met Leu Leu Val Tyr Asp Leu Tyr Leu Xaa Pro Lys Leu Trp Ala Leu
1 5 10 15

Ala Thr Pro Gln Lys Asn Gly Lys Gly Ala Arg Xaa Gly Asp Gly Thr
20 25 30

Pro Ala Gln Ala Phe Trp Asp Phe Trp Ser His Leu Ile Ser Ala Asp
35 40 45

Pro Gln Thr Trp Glu Arg Ala Pro
50 55

<210> 130

<211> 216

<212> PRT

<213> Homo sapiens

<400> 130

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Met Arg Leu Ser Ala Leu Leu Ala Leu Ala Ser Lys Val Thr Leu Pro
 1           5           10           15

Pro His Tyr Arg Tyr Gly Met Ser Pro Pro Gly Ser Val Ala Asp Lys
          20           25           30

Arg Lys Asn Pro Pro Trp Ile Arg Arg Arg Pro Val Val Val Glu Pro
          35           40           45

Ile Ser Asp Glu Asp Trp Tyr Leu Phe Cys Gly Asp Thr Val Glu Ile
 50           55           60

Leu Glu Gly Lys Asp Ala Gly Lys Gln Gly Lys Val Val Gln Val Ile
 65           70           75           80

Arg Gln Arg Asn Trp Val Val Val Gly Gly Leu Asn Thr His Tyr Arg
          85           90           95

Tyr Ile Gly Lys Thr Met Asp Tyr Arg Gly Thr Met Ile Pro Ser Glu
          100          105          110

Ala Pro Leu Leu His Arg Gln Val Lys Leu Val Asp Pro Met Asp Arg
          115          120          125

Lys Pro Thr Glu Ile Glu Trp Arg Phe Thr Glu Ala Gly Glu Arg Val
          130          135          140

Arg Val Ser Thr Arg Ser Gly Arg Ile Ile Pro Lys Pro Glu Phe Pro
          145          150          155          160

Arg Ala Asp Gly Ile Val Pro Glu Thr Trp Ile Asp Gly Pro Lys Asp
          165          170          175

Thr Ser Val Glu Asp Ala Leu Glu Arg Thr Tyr Val Pro Cys Leu Lys
          180          185          190

Thr Leu Gln Glu Glu Val Met Glu Ala Met Gly Ile Lys Glu Thr Arg
          195          200          205

Lys Tyr Lys Lys Val Tyr Trp Tyr
          210          215

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<210> 131

<211> 49

<212> PRT

<213> Homo sapiens

<400> 131

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Met Ser Leu Arg Gln Lys Ser Ser Phe Arg Leu Met Val Met Ser Leu
 1           5           10           15

Thr Ile Leu Lys Leu Ser Lys Thr Thr Val Leu Cys Leu Arg Cys Leu
          20           25           30

His Ser Leu Lys Leu Thr Trp Arg Asp Gly Ala Arg Cys Ile Asn Ala
          35           40           45

Glu

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<210> 132
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 132
 Met Ser Gly Ser Phe Ile Leu Cys Leu Ala Leu Val Thr Arg Trp Ser
 1 5 10 15
 Pro Gln Ala Ser Ser Val Pro Leu Ala Val Tyr Glu Ser Lys Thr Arg
 20 25 30
 Lys Ser Tyr Arg Ser Gln Arg Asp Arg Asp Gly Lys Asp Arg Ser Gln
 35 40 45
 Gly Met Gly Leu Ser Leu Leu Val Glu Thr Arg Lys Leu Leu Leu Ser
 50 55 60
 Ala Asn Gln Gly
 65

<210> 133
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 133
 Met Cys Phe Arg Phe Phe Leu Phe Cys Ser Arg Ile Leu Leu Lys Leu
 1 5 10 15
 Phe Phe Leu Leu Phe Pro Ala Ser Ala Phe Pro Leu Ser Thr Arg Ser
 20 25 30
 Ser Leu Ser Val Asn Glu His Val Val Val Ser Pro Arg Ser Thr Val
 35 40 45
 Ser Ile Ser Arg
 50

<210> 134
 <211> 540
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (137)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 134
 Met Val Arg Thr Asp Gly His Thr Leu Ser Glu Lys Arg Asn Tyr Gln
 1 5 10 15
 Val Thr Asn Ser Met Phe Gly Ala Ser Arg Lys Lys Phe Val Glu Gly
 20 25 30
 Val Asp Ser Asp Tyr His Asp Glu Asn Met Tyr Tyr Ser Gln Ser Ser
 35 40 45

Met Phe Pro His Arg Ser Glu Lys Asp Met Leu Ala Ser Pro Ser Thr
 50 55 60
 Ser Gly Gln Leu Ser Gln Phe Gly Ala Ser Leu Tyr Gly Gln Gln Ser
 65 70 75 80
 Ala Leu Gly Leu Pro Met Arg Gly Met Ser Asn Asn Thr Pro Gln Leu
 85 90 95
 Asn Arg Ser Leu Ser Gln Gly Thr Gln Leu Pro Ser His Val Thr Pro
 100 105 110
 Thr Thr Gly Val Pro Thr Met Ser Leu His Thr Pro Pro Ser Pro Ser
 115 120 125
 Arg Gly Ile Leu Pro Met Asn Pro Xaa Asn Met Met Asn His Ser Gln
 130 135 140
 Val Gly Gln Gly Ile Gly Ile Pro Ser Arg Thr Asn Ser Met Ser Ser
 145 150 155 160
 Ser Gly Leu Gly Ser Pro Asn Arg Ser Ser Pro Ser Ile Ile Cys Met
 165 170 175
 Pro Lys Gln Gln Pro Ser Arg Gln Pro Phe Thr Val Asn Ser Met Ser
 180 185 190
 Gly Phe Gly Met Asn Arg Asn Gln Ala Phe Gly Met Asn Asn Ser Leu
 195 200 205
 Ser Ser Asn Ile Phe Asn Gly Thr Asp Gly Ser Glu Asn Val Thr Gly
 210 215 220
 Leu Asp Leu Ser Asp Phe Pro Ala Leu Ala Asp Arg Asn Arg Arg Glu
 225 230 235 240
 Gly Ser Gly Asn Pro Thr Pro Leu Ile Asn Pro Leu Ala Gly Arg Ala
 245 250 255
 Pro Tyr Val Gly Met Val Thr Lys Pro Ala Asn Glu Gln Ser Gln Asp
 260 265 270
 Phe Ser Ile His Asn Glu Asp Phe Pro Ala Leu Pro Gly Ser Ser Tyr
 275 280 285
 Lys Asp Pro Thr Ser Ser Asn Asp Asp Ser Lys Ser Asn Leu Asn Thr
 290 295 300
 Ser Gly Lys Thr Thr Ser Ser Thr Asp Gly Pro Lys Phe Pro Gly Asp
 305 310 315 320
 Lys Ser Ser Thr Thr Gln Asn Asn Asn Gln Gln Lys Lys Gly Ile Gln
 325 330 335
 Val Leu Pro Asp Gly Arg Val Thr Asn Ile Pro Gln Gly Met Val Thr
 340 345 350
 Asp Gln Phe Gly Met Ile Gly Leu Leu Thr Phe Ile Arg Ala Ala Glu
 355 360 365
 Thr Asp Pro Gly Met Val His Leu Ala Leu Gly Ser Asp Leu Thr Thr
 370 375 380
 Leu Gly Leu Asn Leu Asn Ser Pro Glu Asn Leu Tyr Pro Lys Phe Ala
 385 390 395 400

Ser Pro Trp Ala Ser Ser Pro Cys Arg Pro Gln Asp Ile Asp Phe His
 405 410 415
 Val Pro Ser Glu Tyr Leu Thr Asn Ile His Ile Arg Asp Lys Leu Ala
 420 425 430
 Ala Ile Lys Leu Gly Arg Tyr Gly Glu Asp Leu Leu Phe Tyr Leu Tyr
 435 440 445
 Tyr Met Asn Gly Gly Asp Val Leu Gln Leu Leu Ala Ala Val Glu Leu
 450 455 460
 Phe Asn Arg Asp Trp Arg Tyr His Lys Glu Glu Arg Val Trp Ile Thr
 465 470 475 480
 Arg Ala Pro Gly Met Glu Pro Thr Met Lys Thr Asn Thr Tyr Glu Arg
 485 490 495
 Gly Thr Tyr Tyr Phe Phe Asp Cys Leu Asn Trp Arg Lys Val Ala Lys
 500 505 510
 Glu Phe His Leu Glu Tyr Asp Lys Leu Glu Glu Arg Pro His Leu Pro
 515 520 525
 Ser Thr Phe Asn Tyr Asn Pro Ala Gln Gln Ala Phe
 530 535 540

<210> 135
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 135
 Met Ile Cys Pro Gln Cys Pro Leu Ser Leu Leu Cys Leu Ile Ser Ser
 1 5 10 15
 Leu Cys Ser Leu Val Ile Gln Ile Ser Leu Lys Thr Ile Arg Asp Ile
 20 25 30
 Thr Leu Leu Asn Met Val Gly Ile Lys Phe Ser Ile Ser Leu Ser Asn
 35 40 45
 Lys Ile Asn Ile Asn Ser Arg Thr Trp
 50 55

<210> 136
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 136
 Met Thr Leu Arg Pro Ser Leu Leu Pro Leu His Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Ser Ala Ala Val Cys Arg Ala Glu Ala Gly Leu Glu Thr Glu
 20 25 30
 Ser Pro Val Arg Thr Leu Gln Val Glu Thr Leu Val Glu Pro Pro Glu
 35 40 45
 Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp Thr Leu His Ile His Tyr
 50 55 60

Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg
 65 70 75 80
 Asp Pro Leu Val Ile Glu Leu Gly Gln Lys Gln Val Ile Pro Gly Leu
 85 90 95
 Glu Gln Ser Leu Leu Asp Met Cys Val Gly Glu Lys Arg Arg Ala Ile
 100 105 110
 Ile Pro Ser His Leu Ala Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val
 115 120 125
 Pro Ala Asp Ala Val Val Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile
 130 135 140
 Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys Gly Ile Leu Pro Leu Val
 145 150 155 160
 Gly Met Ala Met Val Pro Ala Leu Leu Gly Leu Ile Gly Tyr His Leu
 165 170 175
 Tyr Arg Lys Ala Asn Arg Pro Lys Val Ser Lys Lys Lys Leu Lys Glu
 180 185 190
 Glu Lys Arg Asn Lys Ser Lys Lys Lys
 195 200

<210> 137
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 137
 Met Phe Leu Arg Leu Tyr Leu Ile Ala Arg Val Met Leu Leu His Ser
 1 5 10 15
 Lys Leu Phe Thr Asp Ala Ser Ser Arg Ser Ile Gly Ala Leu Asn Lys
 20 25 30
 Ile Asn Phe Asn Thr Arg Phe Val Met Lys Thr Leu Met Thr Ile Cys
 35 40 45
 Pro Gly Thr Val Leu Leu Val Phe Ser Ile Ser Leu Trp Ile Ile Ala
 50 55 60
 Ala Trp Thr Val Arg Val Cys Glu Ser Pro Glu Ser Pro Ala Gln Pro
 65 70 75 80
 Ser Gly Ser Ser Leu Pro Ala Trp Tyr His Asp Gln Gln Asp Val Thr
 85 90 95
 Ser Asn Phe Leu Gly Ala Met Trp Leu Ile Ser Ile Thr Phe Leu Ser
 100 105 110
 Ile Gly Tyr Gly Asp Met Val Pro His Thr Tyr Cys Gly Lys Gly Val
 115 120 125
 Cys Leu Leu Thr Gly Ile Met Gly Ala Gly Cys Thr Ala Leu Val Val
 130 135 140
 Ala Val Val Ala Arg Lys Leu Glu Leu Thr Lys Ala Glu Lys His Val
 145 150 155 160

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<210> 138
<211> 102
<212> PRT
<213> Homo sapiens
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<210> 139
<211> 112
<212> PRT
<213> Homo sapiens
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<400> 139
Met Arg Glu Cys Gln Glu Glu Ser Phe Trp Lys Arg Ala Leu Pro Phe
  1          5          10          15
Ser Leu Val Ser Met Leu Val Thr Gln Gly Leu Val Tyr Gln Gly Tyr
  20          25          30
Leu Ala Ala Asn Ser Arg Phe Gly Ser Leu Pro Lys Val Ala Leu Ala
  35          40          45
Gly Leu Leu Gly Phe Gly Leu Gly Lys Val Ser Tyr Ile Gly Val Cys
  50          55          60
Gln Ser Lys Phe His Phe Phe Glu Asp Gln Leu Arg Gly Ala Gly Phe
  65          70          75          80
Gly Pro Gln His Asn Arg His Cys Leu Leu Thr Cys Glu Glu Cys Lys
  85          90          95

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Ile Lys His Gly Leu Ser Glu Lys Gly Asp Ser Gln Pro Ser Ala Ser
 100 105 110

<210> 140
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 140
 Met Lys Asn Asp Arg Asn Gln Gly Phe Ser Leu Leu Gln Leu Ile Asp
 1 5 10 15
 Trp Asn Lys Pro
 20

<210> 141
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 141
 Met Gly Thr Gln Pro Pro Val Val Ala Gly Phe Thr Ile Pro Met Leu
 1 5 10 15
 Gly Tyr Thr Val Arg Val Leu Thr Phe His Leu Ser Cys Ser
 20 25 30

<210> 142
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 142
 Met Lys Ile Pro Val Leu Pro Ala Val Val Leu Leu Ser Leu Leu Val
 1 5 10 15
 Leu His Ser Ala Gln Gly Ala Thr Leu Gly Gly Pro Glu Glu Glu Ser
 20 25 30
 Thr Ile Glu Asn Tyr Ala Ser Arg Pro Glu Ala Phe Asn Thr Pro Phe
 35 40 45
 Leu Asn Ile Asp Lys Leu Arg Ser Ala Phe Lys Ala Asp Glu Phe Leu
 50 55 60
 Asn Trp His Ala Leu Phe Glu Ser Ile Lys Arg Lys Leu Pro Phe Leu
 65 70 75 80
 Asn Trp Asp Ala Phe Pro Lys Leu Lys Gly Leu Arg Ser Ala Thr Pro
 85 90 95
 Asp Ala Gln

<210> 143

<211> 8
 <212> PRT
 <213> Homo sapiens

<400> 143
 Met Val Trp Gly Leu Leu Leu Gly
 1 5

<210> 144
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (30)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 144
 Met Leu Pro Leu Leu Ser Leu Leu Phe Leu Phe Phe Ser Thr Val Ser
 1 5 10 15
 Ser Phe Cys Gly Met Pro Leu Arg Ala His Thr Arg Ala Xaa Ala His
 20 25 30
 Thr Arg Thr Phe Ala Ser Arg
 35

<210> 145
 <211> 131
 <212> PRT
 <213> Homo sapiens

<400> 145
 Met Ile Cys Glu Thr Lys Ala Arg Lys Ser Ser Gly Gln Pro Gly Arg
 1 5 10 15
 Leu Pro Pro Pro Thr Leu Ala Pro Pro Gln Pro Pro Leu Pro Glu Thr
 20 25 30
 Ile Glu Arg Pro Val Gly Thr Gly Ala Met Val Ala Arg Ser Ser Asp
 35 40 45
 Leu Pro Tyr Leu Ile Val Gly Val Val Leu Gly Ser Ile Val Leu Ile
 50 55 60
 Ile Val Thr Phe Ile Pro Phe Cys Leu Trp Arg Ala Trp Ser Lys Gln
 65 70 75 80
 Lys His Thr Thr Asp Leu Gly Phe Pro Arg Ser Ala Leu Pro Pro Ser
 85 90 95
 Cys Pro Tyr Thr Met Val Pro Leu Gly Gly Leu Pro Gly His Gln Ala
 100 105 110
 Val Asp Ser Pro Thr Ser Val Ala Ser Val Asp Gly Pro Val Leu Met
 115 120 125
 Gly Ser Thr
 130

<210> 146
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 146
 Met Gly Ala Pro Ser Leu Thr Met Leu Leu Leu Lys Val Gln Pro
 1 5 10 15
 Arg Arg Thr Gln Ala Phe Asp Ala His Trp Val Gly Leu Pro Leu Leu
 20 25 30

<210> 147
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 147
 Met Cys Leu Ile Phe Leu Leu Leu Leu Leu Ser Phe Ser
 1 5 10

<210> 148
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 148
 His Pro His Gln Asp Ser Gln Pro
 1 5

<210> 149
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 149
 Met Asn Thr Ser Tyr Ile Leu Arg Leu Thr Val Val Val Ser Val Val
 1 5 10 15
 Ile Tyr Leu Ala Ile His Pro Leu Leu Ser Phe Ser Leu Glu Ser Pro
 20 25 30
 Leu Leu Val Pro Trp Arg Asp Cys Cys Gln Asn Ile Trp Lys Ser Gly
 35 40 45
 Ser Val Trp Tyr Lys Arg Trp Thr Leu Pro His Met Glu Val Cys Cys
 50 55 60
 Gln Asp Leu His
 65

<210> 150
 <211> 26

<212> PRT
 <213> Homo sapiens

<400> 150
 Met Leu Lys Ile Phe Lys Glu Trp Glu Asn Leu Asn Leu Ile Leu Thr
 1 5 10 15
 Ser Ile Arg Ile Leu Glu Arg Gln Asn Met
 20 25

<210> 151
 <211> 195
 <212> PRT
 <213> Homo sapiens

<400> 151
 Met Asp Cys Glu Val Asn Asn Gly Ser Ser Leu Arg Asp Glu Cys Ile
 1 5 10 15
 Thr Asn Leu Leu Val Phe Gly Phe Leu Gln Ser Cys Ser Asp Asn Ser
 20 25 30
 Phe Arg Arg Glu Leu Asp Ala Leu Gly His Glu Leu Pro Val Leu Ala
 35 40 45
 Pro Gln Trp Glu Gly Tyr Asp Glu Leu Gln Thr Asp Gly Asn Arg Ser
 50 55 60
 Ser His Ser Arg Leu Gly Arg Ile Glu Ala Asp Ser Glu Ser Gln Glu
 65 70 75 80
 Asp Ile Ile Arg Asn Ile Ala Arg His Leu Ala Gln Val Gly Asp Ser
 85 90 95
 Met Asp Arg Ser Ile Pro Pro Gly Leu Val Asn Gly Leu Ala Leu Gln
 100 105 110
 Leu Arg Asn Thr Ser Arg Ser Glu Glu Asp Arg Asn Arg Asp Leu Ala
 115 120 125
 Thr Ala Leu Glu Gln Leu Leu Gln Ala Tyr Pro Arg Asp Met Glu Lys
 130 135 140
 Glu Lys Thr Met Leu Val Leu Ala Leu Leu Leu Ala Lys Lys Val Ala
 145 150 155 160
 Ser His Thr Pro Ser Leu Leu Arg Asp Val Phe His Thr Thr Val Asn
 165 170 175
 Phe Ile Asn Gln Asn Leu Arg Thr Tyr Val Arg Ser Leu Ala Arg Asn
 180 185 190
 Gly Met Asp
 195

<210> 152
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE

<222> (85)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (87)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 152

Met Ser Leu Ser Leu Val Ser Val Ser Val Gly Pro Ser Thr Leu Ala
1 5 10 15

Cys Ser Phe Leu Arg Pro Lys Ala Arg Pro Ser Lys Arg Ser Pro Arg
20 25 30

Asn Tyr Thr Asp Ser Thr Ser Pro Gly Gly Pro Arg Ala Pro Arg Gly
35 40 45

Gly Ala Trp Arg Leu Ser Ser Gln Gln Asn Ser Ser Pro Lys Gly Val
50 55 60

Ala Val Ala Lys Ala Ser Tyr Arg Pro Val Leu Cys Phe Leu Pro Gly
65 70 75 80

Pro Trp Ser Ser Xaa Pro Xaa Ala Phe Leu Ile
85 90

<210> 153

<211> 31

<212> PRT

<213> Homo sapiens

<400> 153

Met Gly Thr Leu Ser Ala Glu Cys Ser Gly Pro Ala Thr Leu Gly Leu
1 5 10 15

Cys Leu Val Val Pro Trp Asn Ser Ser Gly Leu Ser Gln Pro Pro
20 25 30

<210> 154

<211> 90

<212> PRT

<213> Homo sapiens

<400> 154

Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu
1 5 10 15

Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro
20 25 30

Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala
35 40 45

Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala
50 55 60

Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val
65 70 75 80

Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
85 90

<210> 155
<211> 89
<212> PRT
<213> Homo sapiens

<400> 155
Met Ile Ile Ser Leu Phe Ile Tyr Ile Phe Leu Thr Cys Ser Asn Thr
1 5 10 15
Ser Pro Ser Tyr Gln Gly Thr Gln Leu Gly Leu Gly Leu Pro Ser Ala
20 25 30
Gln Trp Trp Pro Leu Thr Gly Arg Arg Met Gln Cys Cys Arg Leu Phe
35 40 45
Cys Phe Leu Leu Gln Asn Cys Leu Phe Pro Phe Pro Leu His Leu Ile
50 55 60
Gln His Asp Pro Cys Glu Leu Val Leu Thr Ile Ser Trp Asp Trp Ala
65 70 75 80
Glu Ala Gly Ala Ser Leu Tyr Ser Pro
85

<210> 156
<211> 174
<212> PRT
<213> Homo sapiens

<400> 156
Met Ser Ser Ala Ala Ala Asp His Trp Ala Trp Leu Leu Val Leu Ser
1 5 10 15
Phe Val Phe Gly Cys Asn Val Leu Arg Ile Leu Leu Pro Ser Phe Ser
20 25 30
Ser Phe Met Ser Arg Val Leu Gln Lys Asp Ala Glu Gln Glu Ser Gln
35 40 45
Met Arg Ala Glu Ile Gln Asp Met Lys Gln Glu Leu Ser Thr Val Asn
50 55 60
Met Met Asp Glu Phe Ala Arg Tyr Ala Arg Leu Glu Arg Lys Ile Asn
65 70 75 80
Lys Met Thr Asp Lys Leu Lys Thr His Val Lys Ala Arg Thr Ala Gln
85 90 95
Leu Ala Lys Ile Lys Trp Val Ile Ser Val Ala Phe Tyr Val Leu Gln
100 105 110
Ala Ala Leu Met Ile Ser Leu Ile Trp Lys Tyr Tyr Ser Val Pro Val
115 120 125
Ala Val Val Pro Ser Lys Trp Ile Thr Pro Leu Asp Arg Leu Val Ala
130 135 140
Phe Pro Thr Arg Val Ala Gly Gly Val Gly Ile Thr Cys Trp Ile Leu

145 150 155 160
 Val Cys Asn Lys Val Val Ala Ile Val Leu His Pro Phe Ser
 165 170

<210> 157
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 157
 Met Gly Lys Leu Ile Asn Ile Val Ile Arg Lys Pro Leu Leu Leu Leu
 1 5 10 15
 Leu Val Gln Cys Glu Asn Cys Cys Arg Lys Asn Met Leu Tyr Asn Ile
 20 25 30
 Phe Leu Asn Ile His Asn Ile His Lys Phe Ser Asn His
 35 40 45

<210> 158
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 158
 Met Val Ala Ser Thr Leu Val Thr Asn Leu Phe Gly Val Ala Phe Ala
 1 5 10 15
 Thr Thr Ala Ala Thr Arg Ala
 20

<210> 159
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (33)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 159
 Met Leu Met Ala Pro Val Val Cys Leu Ser Phe Ser Pro Cys Pro Ala
 1 5 10 15
 Asp Thr Ser Leu Thr Gly Asp Gly Leu Lys Ala Gly Leu Glu Arg Gly
 20 25 30
 Xaa Ala Leu Val Thr Leu Phe Asp Ser Val Thr His Phe Leu Ala His
 35 40 45
 Thr Leu Phe Glu Leu Leu Asp Phe Gln Leu Ala Phe Leu Arg Ser Gly
 50 55 60
 Lys Gln Thr Ala Pro His
 65 70

<210> 160
 <211> 323
 <212> PRT
 <213> Homo sapiens.

<400> 160

Met	Leu	Leu	Leu	Leu	Leu	Leu	Leu	Gly	Ser	Gly	Gln	Gly	Pro	Gln	Gln
1				5					10					15	
Val	Gly	Ala	Gly	Gln	Thr	Phe	Glu	Tyr	Leu	Lys	Arg	Glu	His	Ser	Leu
			20					25					30		
Ser	Lys	Pro	Tyr	Gln	Gly	Val	Gly	Thr	Gly	Ser	Ser	Ser	Leu	Trp	Asn
		35					40					45			
Leu	Met	Gly	Asn	Ala	Met	Val	Met	Thr	Gln	Tyr	Ile	Arg	Leu	Thr	Pro
	50					55					60				
Asp	Met	Gln	Ser	Lys	Gln	Gly	Ala	Leu	Trp	Asn	Arg	Val	Pro	Cys	Phe
65					70					75					80
Leu	Arg	Asp	Trp	Glu	Leu	Gln	Val	His	Phe	Lys	Ile	His	Gly	Gln	Gly
				85					90					95	
Lys	Lys	Asn	Leu	His	Gly	Asp	Gly	Leu	Ala	Ile	Trp	Tyr	Thr	Arg	Asn
			100					105					110		
Arg	Met	Gln	Pro	Gly	Pro	Val	Phe	Gly	Asn	Met	Asp	Lys	Phe	Val	Gly
		115					120					125			
Leu	Gly	Val	Phe	Val	Asp	Thr	Tyr	Pro	Asn	Glu	Glu	Lys	Gln	Gln	Glu
	130					135					140				
Arg	Val	Phe	Pro	Tyr	Ile	Ser	Ala	Met	Val	Asn	Asn	Gly	Ser	Leu	Ser
145					150					155					160
Tyr	Asp	His	Glu	Arg	Asp	Gly	Arg	Pro	Thr	Glu	Leu	Gly	Gly	Cys	Thr
				165					170					175	
Ala	Ile	Val	Arg	Asn	Leu	His	Tyr	Asp	Thr	Phe	Leu	Val	Ile	Arg	Tyr
			180					185					190		
Val	Lys	Arg	His	Leu	Thr	Ile	Met	Met	Asp	Ile	Asp	Gly	Lys	His	Glu
		195					200					205			
Trp	Arg	Asp	Cys	Ile	Glu	Val	Pro	Gly	Val	Arg	Leu	Pro	Arg	Gly	Tyr
	210					215					220				
Tyr	Phe	Gly	Thr	Ser	Ser	Ile	Thr	Gly	Asp	Leu	Ser	Asp	Asn	His	Asp
225					230					235					240
Val	Ile	Ser	Leu	Lys	Leu	Phe	Glu	Leu	Thr	Val	Glu	Arg	Thr	Pro	Glu
				245					250					255	
Glu	Glu	Lys	Leu	His	Arg	Asp	Val	Phe	Leu	Pro	Ser	Val	Asp	Asn	Met
			260					265					270		
Lys	Leu	Pro	Glu	Met	Thr	Ala	Pro	Leu	Pro	Pro	Leu	Ser	Gly	Leu	Ala
		275					280					285			
Leu	Phe	Leu	Ile	Val	Phe	Phe	Ser	Leu	Val	Phe	Ser	Val	Phe	Ala	Ile
	290					295					300				
Val	Ile	Gly	Ile	Ile	Leu	Tyr	Asn	Lys	Trp	Gln	Glu	Gln	Ser	Arg	Lys
305					310					315					320

Arg Phe Tyr

<210> 161
 <211> 320
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (120)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (292)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 161
 Met Pro Ser Glu Tyr Thr Tyr Val Lys Leu Arg Ser Asp Cys Ser Arg
 1 5 10 15
 Pro Ser Leu Gln Trp Tyr Thr Arg Ala Gln Ser Lys Met Arg Arg Pro
 20 25 30
 Ser Leu Leu Leu Lys Asp Ile Leu Lys Cys Thr Leu Leu Val Phe Gly
 35 40 45
 Val Trp Ile Leu Tyr Ile Leu Lys Leu Asn Tyr Thr Thr Glu Glu Cys
 50 55 60
 Asp Met Lys Lys Met His Tyr Val Asp Pro Asp His Val Lys Arg Ala
 65 70 75 80
 Gln Lys Tyr Ala Gln Gln Val Leu Gln Lys Glu Cys Arg Pro Lys Phe
 85 90 95
 Ala Lys Thr Ser Met Ala Leu Leu Phe Glu His Arg Tyr Ser Val Asp
 100 105 110
 Leu Leu Pro Phe Val Gln Lys Xaa Pro Lys Asp Ser Glu Ala Glu Ser
 115 120 125
 Lys Tyr Asp Pro Pro Phe Gly Phe Arg Lys Phe Ser Ser Lys Val Gln
 130 135 140
 Thr Leu Leu Glu Leu Leu Pro Glu His Asp Leu Pro Glu His Leu Lys
 145 150 155 160
 Ala Lys Thr Cys Arg Arg Cys Val Val Ile Gly Ser Gly Gly Ile Leu
 165 170 175
 His Gly Leu Glu Leu Gly His Thr Leu Asn Gln Phe Asp Val Val Ile
 180 185 190
 Arg Leu Asn Ser Ala Pro Val Glu Gly Tyr Ser Glu His Val Gly Asn
 195 200 205
 Lys Thr Thr Ile Arg Met Thr Tyr Pro Glu Gly Ala Pro Leu Ser Asp
 210 215 220

Leu Glu Tyr Tyr Ser Asn Asp Leu Phe Val Ala Val Leu Phe Lys Ser
 225 230 235 240
 Val Asp Phe Asn Trp Leu Gln Ala Met Val Lys Lys Glu Thr Leu Pro
 245 250 255
 Phe Trp Val Arg Leu Phe Phe Trp Lys Gln Val Ala Glu Lys Ile Pro
 260 265 270
 Leu Gln Pro Lys His Phe Arg Ile Leu Asn Pro Val Ile Ile Lys Glu
 275 280 285
 Thr Ala Phe Xaa His Pro Ser Val Leu Arg Ala Ser Val Lys Val Leu
 290 295 300
 Gly Ala Glu Ile Arg Thr Ser Pro Gln Ser Val Ser Leu Pro Leu Ser
 305 310 315 320

<210> 162
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 162
 Met Thr Leu Asp Val Gln Thr Val Val Val Phe Ala Val Ile Val Val
 1 5 10 15
 Leu Leu Leu Val Asn Val Ile Leu Met Phe Phe Leu Gly Thr Arg
 20 25 30

<210> 163
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (26)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (68)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (69)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (70)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 163

Met Leu Pro Leu Leu Phe Cys Ala Phe Cys Leu His Lys Leu Gly Pro
 1 5 10 15
 Leu Leu Phe Leu Tyr Asp Val Leu Met Xaa His Glu Ala Val Met Arg
 20 25 30
 Thr His Gln Ile Gln Leu Pro Asp Pro Glu Phe Pro Ser Gln Gln Asn
 35 40 45
 Gln Val Leu Asn Lys Thr Leu Phe Asn Lys Leu Lys Lys Lys Lys
 50 55 60
 Lys Lys Lys Xaa Xaa Xaa Lys Lys
 65 70

<210> 164

<211> 281

<212> PRT

<213> Homo sapiens

<400> 164

Met Ala Ser Arg Gly Arg Arg Pro Glu His Gly Gly Pro Pro Glu Leu
 1 5 10 15
 Phe Tyr Asp Glu Thr Glu Ala Arg Lys Tyr Val Arg Asn Ser Arg Met
 20 25 30
 Ile Asp Ile Gln Thr Arg Met Ala Gly Arg Ala Leu Glu Leu Leu Tyr
 35 40 45
 Leu Pro Glu Asn Lys Pro Cys Tyr Leu Leu Asp Ile Gly Cys Gly Thr
 50 55 60
 Gly Leu Ser Gly Ser Tyr Leu Ser Asp Glu Gly His Tyr Trp Val Gly
 65 70 75 80
 Leu Asp Ile Ser Pro Ala Met Leu Asp Glu Ala Val Asp Arg Glu Ile
 85 90 95
 Glu Gly Asp Leu Leu Leu Gly Asp Met Gly Gln Gly Ile Pro Phe Lys
 100 105 110
 Pro Gly Thr Phe Asp Gly Cys Ile Ser Ile Ser Ala Val Gln Trp Leu
 115 120 125
 Cys Asn Ala Asn Lys Lys Ser Glu Asn Pro Ala Lys Arg Leu Tyr Cys
 130 135 140
 Phe Phe Ala Ser Leu Phe Ser Val Leu Val Arg Gly Ser Arg Ala Val
 145 150 155 160
 Leu Gln Leu Tyr Pro Glu Asn Ser Glu Gln Leu Glu Leu Ile Thr Thr
 165 170 175
 Gln Ala Thr Lys Ala Gly Phe Ser Gly Gly Met Val Val Asp Tyr Pro
 180 185 190
 Asn Ser Ala Lys Ala Lys Lys Phe Tyr Leu Cys Leu Phe Ser Gly Pro
 195 200 205
 Ser Thr Phe Ile Pro Glu Gly Leu Ser Glu Asn Gln Asp Glu Val Glu
 210 215 220

Pro Arg Glu Ser Val Phe Thr Asn Glu Arg Phe Pro Leu Arg Met Ser
 225 230 235 240
 Arg Arg Gly Met Val Arg Lys Ser Arg Ala Trp Val Leu Glu Lys Lys
 245 250 255
 Glu Arg His Arg Arg Gln Gly Arg Glu Val Arg Pro Asp Thr Gln Tyr
 260 265 270
 Thr Gly Arg Lys Arg Lys Pro Arg Phe
 275 280

<210> 165
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 165
 Met Glu Lys Ile Pro Glu Val Thr Asn Ser Asn Ser Ser Phe His Ala
 1 5 10 15
 His Asp Leu Gly Phe Cys Val Leu Ser Ile Ala Thr Ser Lys Ser Arg
 20 25 30
 Lys Ala Pro Ala Pro His Ala Gln Lys Cys Asn Leu Lys Ser Leu Arg
 35 40 45
 Ser Ser Ala Gln Thr Asp Ile Asn Lys Pro Val Phe Ser Leu His Pro
 50 55 60
 Glu Pro Pro Gly Lys Ser Gly Ala Gln Thr Gln Ser Lys Ala Pro Phe
 65 70 75 80
 Leu

<210> 166
 <211> 327
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (300)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 166
 Met Trp Arg Pro Ser Val Leu Leu Leu Leu Leu Leu Arg His Gly
 1 5 10 15
 Ala Gln Gly Lys Pro Ser Pro Asp Ala Gly Pro His Gly Gln Gly Arg
 20 25 30
 Val His Gln Ala Ala Pro Leu Ser Asp Ala Pro His Asp Asp Ala His
 35 40 45
 Gly Asn Phe Gln Tyr Asp His Glu Ala Phe Leu Gly Arg Glu Val Ala
 50 55 60
 Lys Glu Phe Asp Gln Leu Thr Pro Glu Glu Ser Gln Ala Arg Leu Gly
 65 70 75 80

Arg Ile Val Asp Arg Met Asp Arg Ala Gly Asp Gly Asp Gly Trp Val
 85 90 95
 Ser Leu Ala Glu Leu Arg Ala Trp Ile Ala His Thr Gln Gln Arg His
 100 105 110
 Ile Arg Asp Ser Val Ser Ala Ala Trp Asp Thr Tyr Asp Thr Asp Arg
 115 120 125
 Asp Gly Arg Val Gly Trp Glu Glu Leu Arg Asn Ala Thr Tyr Gly His
 130 135 140
 Tyr Ala Pro Gly Glu Glu Phe His Asp Val Glu Asp Ala Glu Thr Tyr
 145 150 155 160
 Lys Lys Met Leu Ala Arg Asp Glu Arg Arg Phe Arg Val Ala Asp Gln
 165 170 175
 Asp Gly Asp Ser Met Ala Thr Arg Glu Glu Leu Thr Ala Phe Leu His
 180 185 190
 Pro Glu Glu Phe Pro His Met Arg Asp Ile Val Ile Ala Glu Thr Leu
 195 200 205
 Glu Asp Leu Asp Arg Asn Lys Asp Gly Tyr Val Gln Val Glu Glu Tyr
 210 215 220
 Ile Ala Asp Leu Tyr Ser Ala Glu Pro Gly Glu Glu Glu Pro Ala Trp
 225 230 235 240
 Val Gln Thr Glu Arg Gln Gln Phe Arg Asp Phe Arg Asp Leu Asn Lys
 245 250 255
 Asp Gly His Leu Asp Gly Ser Glu Val Gly His Trp Val Leu Pro Pro
 260 265 270
 Ala Gln Asp Gln Pro Leu Val Glu Ala Asn His Leu Leu His Glu Ser
 275 280 285
 Asp Thr Asp Lys Asp Gly Arg Leu Ser Lys Ala Xaa Ile Leu Gly Asn
 290 295 300
 Trp Asn Met Phe Val Gly Ser Gln Ala Thr Asn Tyr Gly Glu Asp Leu
 305 310 315 320
 Thr Arg His His Asp Glu Leu
 325

<210> 167
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 167
 Met Ile Lys Ile Leu Lys Glu Ala Ile Glu Glu Thr Ser Phe Cys Ser
 1 5 10 15
 Phe Trp Arg Ile Ser Phe Gln Leu Ser Ile His His Ile Phe Leu Ile
 20 25 30
 Phe Cys Ala Gln Leu Thr Thr Leu Leu Tyr Ser Thr Phe Leu Phe Ile
 35 40 45

Pro Ile Ser Trp Phe Leu Ile Val Pro Gly Ala Val Asp Lys Thr Ile
 50 55 60

Leu
 65

<210> 168
 <211> 159
 <212> PRT
 <213> Homo sapiens

<400> 168
 Met Trp Leu Phe Ile Leu Leu Ser Leu Ala Leu Ile Ser Asp Ala Met
 1 5 10 15
 Val Met Asp Glu Lys Val Lys Arg Ser Phe Val Leu Asp Thr Ala Ser
 20 25 30
 Ala Ile Cys Asn Tyr Asn Ala His Tyr Lys Asn His Pro Lys Tyr Trp
 35 40 45
 Cys Arg Gly Tyr Phe Arg Asp Tyr Cys Asn Ile Ile Ala Phe Ser Pro
 50 55 60
 Asn Ser Thr Asn His Val Ala Leu Lys Asp Thr Gly Asn Gln Leu Ile
 65 70 75 80
 Val Thr Met Ser Cys Leu Asn Lys Glu Asp Thr Gly Trp Tyr Trp Cys
 85 90 95
 Gly Ile Gln Arg Asp Phe Ala Arg Asp Asp Met Asp Phe Thr Glu Leu
 100 105 110
 Ile Val Thr Asp Asp Lys Gly Thr Trp Pro Met Thr Leu Val Trp Glu
 115 120 125
 Arg Leu Ser Gly Thr Lys Pro Glu Ala Ala Arg Leu Pro Lys Leu Ser
 130 135 140
 Ala Arg Leu Thr Ala Pro Gly Arg Pro Phe Ser Ser Phe Ala Tyr
 145 150 155

<210> 169
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (3)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (65)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (88)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (99)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (100)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (101)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 169

Met Ala Xaa His Phe Leu Leu Val Ala Leu Gln Ser Val Pro His Cys
1 5 10 15

Pro His Leu Leu Glu Glu Glu His Lys Leu Cys Lys Val Ser His Phe
20 25 30

Ser Gly Val Thr Leu Val Thr Ser Arg Gln Asp Ser Ser Ser Tyr Val
35 40 45

Pro Val Gln Thr Leu Phe Ile His Leu Gly Pro Trp Ala Trp Asp Leu
50 55 60

Xaa Pro Cys Thr Ala Glu Asp Pro Glu Ala Glu Arg Ser Leu Arg Leu
65 70 75 80

Cys His Ser His Leu Ala Arg Xaa Asn Val Ser Pro Ser Gln Ala Ala
85 90 95

Glu Gly Xaa Xaa Xaa Arg Gly Cys Gln His Arg Gly Ser Arg Glu Leu
100 105 110

Thr Phe Leu Ser Ala Glu Asn Glu Ala Gly Ile
115 120

<210> 170

<211> 129

<212> PRT

<213> Homo sapiens

<400> 170

Met Lys Val Gly Ala Arg Ile Arg Val Lys Met Ser Val Asn Lys Ala
1 5 10 15

His Pro Val Val Ser Thr His Trp Arg Trp Pro Ala Glu Trp Pro Gln
20 25 30

Met Phe Leu His Leu Ala Gln Glu Pro Arg Thr Glu Val Lys Ser Arg
35 40 45

Pro Leu Gly Leu Ala Gly Phe Ile Arg Gln Asp Ser Lys Thr Arg Lys
50 55 60

Pro Leu Glu Gln Glu Thr Ile Met Ser Ala Ala Asp Thr Ala Leu Trp
 65 70 75 80
 Pro Tyr Gly His Gly Asn Arg Glu His Gln Glu Asn Glu Leu Gln Lys
 85 90 95
 Tyr Leu Gln Tyr Lys Asp Met His Leu Leu Asp Ser Gly Gln Ser Leu
 100 105 110
 Gly His Thr His Thr Leu Gln Gly Ser His Asn Leu Thr Ala Leu Asn
 115 120 125

Ile

<210> 171
 <211> 372
 <212> PRT
 <213> Homo sapiens

<400> 171
 Met Ala Tyr His Ser Phe Leu Val Glu Pro Ile Ser Cys His Ala Trp
 1 5 10 15
 Asn Lys Asp Arg Thr Gln Ile Ala Ile Cys Pro Asn Asn His Glu Val
 20 25 30
 His Ile Tyr Glu Lys Ser Gly Ala Lys Trp Thr Lys Val His Glu Leu
 35 40 45
 Lys Glu His Asn Gly Gln Val Thr Gly Ile Asp Trp Ala Pro Glu Ser
 50 55 60
 Asn Arg Ile Val Thr Cys Gly Thr Asp Arg Asn Ala Tyr Val Trp Thr
 65 70 75 80
 Leu Lys Gly Arg Thr Trp Lys Pro Thr Leu Val Ile Leu Arg Ile Asn
 85 90 95
 Arg Ala Ala Arg Cys Val Arg Trp Ala Pro Asn Glu Asn Lys Phe Ala
 100 105 110
 Val Gly Ser Gly Ser Arg Val Ile Ser Ile Cys Tyr Phe Glu Gln Glu
 115 120 125
 Asn Asp Trp Trp Val Cys Lys His Ile Lys Lys Pro Ile Arg Ser Thr
 130 135 140
 Val Leu Ser Leu Asp Trp His Pro Asn Asn Val Leu Leu Ala Ala Gly
 145 150 155 160
 Ser Cys Asp Phe Lys Cys Arg Ile Phe Ser Ala Tyr Ile Lys Glu Val
 165 170 175
 Glu Glu Arg Pro Ala Pro Thr Pro Trp Gly Ser Lys Met Pro Phe Gly
 180 185 190
 Glu Leu Met Phe Glu Ser Ser Ser Ser Cys Gly Trp Val His Gly Val
 195 200 205
 Cys Phe Ser Ala Ser Gly Ser Arg Val Ala Trp Val Ser His Asp Ser
 210 215 220

Thr Val Cys Leu Ala Asp Ala Asp Lys Lys Met Ala Val Ala Thr Leu
 225 230 235 240
 Ala Ser Glu Thr Leu Pro Leu Leu Ala Leu Thr Phe Ile Thr Asp Asn
 245 250 255
 Ser Leu Val Ala Ala Gly His Asp Cys Phe Pro Val Leu Phe Thr Tyr
 260 265 270
 Asp Ala Ala Ala Gly Met Leu Ser Phe Gly Gly Arg Leu Asp Val Pro
 275 280 285
 Lys Gln Ser Ser Gln Arg Gly Leu Thr Ala Arg Glu Arg Phe Gln Asn
 290 295 300
 Leu Asp Lys Lys Ala Ser Ser Glu Gly Gly Thr Ala Ala Gly Ala Gly
 305 310 315 320
 Leu Asp Ser Leu His Lys Asn Ser Val Ser Gln Ile Ser Val Leu Ser
 325 330 335
 Gly Gly Lys Ala Lys Cys Ser Gln Phe Cys Thr Thr Gly Met Asp Gly
 340 345 350
 Gly Met Ser Ile Trp Asp Val Lys Ser Leu Glu Ser Ala Leu Lys Asp
 355 360 365
 Leu Lys Ile Lys
 370

<210> 172
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 172
 Met Trp Ser Ile Gly Ala Gly Ala Leu Gly Ala Ala Ala Leu Ala Leu
 1 5 10 15
 Leu Leu Ala Asn Thr Asp Val Phe Leu Ser Lys Pro Gln Lys Ala Ala
 20 25 30
 Leu Glu Tyr Leu Glu Asp Ile Asp Leu Lys Thr Leu Glu Lys Glu Pro
 35 40 45
 Arg Thr Phe Lys Ala Lys Glu Leu Trp Glu Lys Asn Gly Ala Val Ile
 50 55 60
 Met Ala Val Arg Arg Pro Gly Cys Phe Leu Cys Arg Glu Glu Ala Ala
 65 70 75 80
 Asp Leu Ser Ser Leu Lys Ser Met Leu Asp Gln Leu Gly Val Pro Leu
 85 90 95
 Tyr Ala Val Val Lys Glu His Ile Arg Thr Glu Val Lys Asp Phe Gln
 100 105 110
 Pro Tyr Phe Lys Gly Glu Ile Phe Leu Asp Glu Lys Lys Lys Phe Tyr
 115 120 125
 Gly Pro Gln Arg Arg Lys Met Met Phe Met Gly Phe Ile Arg Leu Gly
 130 135 140
 Val Trp Tyr Asn Phe Phe Arg Ala Trp Asn Gly Gly Phe Ser Gly Asn

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<210> 173
<211> 55
<212> PRT
<213> Homo sapiens
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<210> 174
<211> 23
<212> PRT
<213> Homo sapiens
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<400> 174
Met Ala Ala Asn Thr Phe Val Leu Ile Met Gly Ile Pro Thr Ser Ala
  1          5          10          15
Asn Ala Xaa Arg Asp Leu Phe
          20

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<400> 175
Met Ser Ile Cys His Arg Gly Thr Gly Ile Ala Leu Ser Ala Gly Val
1 5 10 15

20 25 30
 Tyr Leu Glu Leu Val Lys Ser Leu Cys Leu Gly Pro Ala Leu Ile His
 35 40 45
 Thr Ala Lys Phe Ala Leu Val Phe Pro Leu Met Tyr His Thr Trp Asn
 50 55 60
 Gly Ile Arg His Leu Met Trp Asp Leu Gly Lys Gly Leu Lys Ile Pro
 65 70 75 80
 Gln Leu Tyr Gln Ser Gly Val Val Val Leu Val Leu Thr Val Leu Ser
 85 90 95
 Ser Met Gly Leu Ala Ala Met
 100

<210> 176
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 176
 Met Thr Lys Ala Ser Ser Leu Trp Pro Leu Lys Thr Thr Cys Gln Ile
 1 5 10 15
 Ser Gly Thr Val Phe Phe Phe Leu Phe Leu Phe Ser Cys Phe Leu Met
 20 25 30
 Gln Ala Gln Cys Asp Lys Phe Val Gly Trp Asp Phe Phe Phe Phe Leu
 35 40 45

<210> 177
 <211> 96
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (18)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 177
 Met Arg Arg Ala Leu Ile Pro Pro Cys Arg Gly Gly Pro Ser Ala Ser
 1 5 10 15
 Asp Xaa Cys Cys Ser Cys Ser Pro Ser Gly Phe Ser Ala Gly Arg Gly
 20 25 30
 Arg Cys Pro Val Gln Gly Cys Leu Arg Pro His Arg Val Gln Leu Leu
 35 40 45
 Arg Arg Trp Gly Pro Gly Ser Pro Ala Gly Gln Arg Leu Ser Lys Gly
 50 55 60
 Phe Gln Leu Leu Arg Trp Trp Gly Pro Gly Ser Pro Ala Pro Glu Pro
 65 70 75 80

Arg Lys Gly Pro Phe Pro Pro Pro Asp Pro Pro Trp Pro Val Thr Leu
 85 90 95

<210> 178
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (70)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 178
 Met Leu Glu Thr Thr Lys His Val Gln Ile Ala Cys Met Leu Leu Leu
 1 5 10 15
 Thr Cys Gln Ile Phe Leu Pro Ser Ser Leu Ser Pro Ser Phe Ile His
 20 25 30
 Ser Leu Thr Asp Ser Phe Ile Pro Leu Lys Lys Leu Tyr Val Cys Phe
 35 40 45
 Val Gln Ser Thr Leu Leu Lys Ala Ala Gly Tyr Lys Ser Ile Ser Glu
 50 55 60
 Ala Leu Gly Phe Asp Xaa Leu Leu Cys Ser Ser Ala Arg Phe Val Trp
 65 70 75 80
 Ile Cys His Thr Tyr Ser Arg Pro Leu Val Thr Cys Ala Leu His
 85 90 95

<210> 179
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 179
 Met Ser Val Ile Gly Gly Leu Leu Leu Val Val Ala Leu Gly Pro Gly
 1 5 10 15
 Gly Val Ser Met Asp Glu Lys Lys Lys Glu Trp
 20 25

<210> 180
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (12)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE

<222> (13)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (72)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 180

Met Ser Gly Gly Leu Ser Phe Leu Leu Leu Val Xaa Xaa Gly Thr Gln
1 5 10 15

Ser Pro Leu His Leu Ala Gly Ser Cys Pro Gly Gln Thr His Leu Ser
20 25 30

Phe Pro Leu Gly Gln Asp Arg Gly Gln Gln Leu Gln Gln Lys Gln Gln
35 40 45

Asp Leu Glu Gln Glu Gly Leu Glu Ala Thr Gln Gly Leu Leu Ala Gly
50 55 60

Glu Trp Ala Pro Pro Leu Trp Xaa Leu Gly Ser Leu Phe Gln Ala Phe
65 70 75 80

Val Lys Arg Glu Ser Gln Ala Tyr Ala
85

<210> 181

<211> 65

<212> PRT

<213> Homo sapiens

<400> 181

Met Phe Ala Asp Phe Ile Val Val Thr Ala Thr Val Gln Arg Cys Pro
1 5 10 15

Gly Ser Pro Pro Leu Ser Glu Ile Leu Trp Lys Asp Glu Pro Phe Ala
20 25 30

Ile Ser Ser His Ala Gly Leu Pro Trp Leu Ser Ser Trp Pro Ala Pro
35 40 45

Pro Trp Thr Trp Ser Trp Ile Ser Arg Arg Arg Glu His Gly Arg Gly
50 55 60

Ser
65

<210> 182

<211> 105

<212> PRT

<213> Homo sapiens

<400> 182

Met Ser Ala Leu Thr Arg Leu Ala Ser Phe Ala Arg Val Gly Gly Arg
1 5 10 15

Leu Phe Arg Ser Gly Cys Ala Arg Thr Ala Gly Asp Gly Gly Val Arg
20 25 30

His Ala Gly Gly Gly Val His Ile Glu Pro Arg Tyr Arg Gln Phe Pro
 35 40 45
 Gln Leu Thr Arg Ser Gln Val Phe Gln Ser Glu Phe Phe Ser Gly Leu
 50 55 60
 Met Trp Phe Trp Ile Leu Trp Arg Phe Trp His Asp Ser Glu Glu Val
 65 70 75 80
 Leu Gly His Phe Pro Tyr Pro Asp Pro Ser Gln Trp Thr Asp Glu Glu
 85 90 95
 Leu Gly Ile Pro Pro Asp Asp Glu Asp
 100 105

<210> 183
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 183
 Met Asp Val Leu Phe Val Ala Ile Phe Ala Val Pro Leu Ile Leu Gly
 1 5 10 15
 Gln Glu Tyr Glu Asp Glu Glu Arg Leu Gly Glu Asp Glu Tyr Tyr Gln
 20 25 30
 Val Val Tyr Tyr Tyr Thr Val Thr Pro Ser Tyr Asp Asp Phe Ser Ala
 35 40 45
 Asp Phe Thr Ile Asp Tyr Ser Ile Phe Glu Ser Glu Asp Arg Leu Asn
 50 55 60
 Arg Leu Asp Lys Asp Ile Thr Glu Ala Ile Glu Thr Thr Ile Ser Leu
 65 70 75 80
 Glu Thr Ala Arg Ala Asp His Pro Lys Pro Val Thr Val Lys Pro Val
 85 90 95
 Thr Thr Glu Pro Gln Ser Pro Asp Leu Asn Asp Ala Val Ser Ser Leu
 100 105 110
 Arg Ser Pro Ile Pro Leu Leu Leu Ser Cys Ala Phe Val Gln Val Gly
 115 120 125
 Met Tyr Phe Met
 130

<210> 184
 <211> 69
 <212> PRT
 <213> Homo sapiens

<400> 184
 Met Pro Cys Gln Pro Gly Gln Val Pro Ser Cys Gln Cys Thr Phe Gly
 1 5 10 15
 Leu Leu Leu Met Leu Pro Ser Leu Pro Ser Pro Ala Ser Gln Pro Arg
 20 25 30
 Pro Phe Cys Ser Ser Met Glu Tyr Phe His Gly Cys Ala Ser Pro Ser

35

40

45

Gln Ala Ile Ile Gly Gly Phe Pro Phe Ala Ser Val Ala Leu Ala Asp
 50 55 60

Ile Leu Cys Leu Gln
 65

<210> 185
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 185
 Met Ser Leu Leu Ser Pro Ala Ile Pro Ala Leu Thr Leu Ile Phe Ile
 1 5 10 15

Leu Met Phe Phe Ser Phe Pro Phe Arg Ala His Thr Val Val Thr Ile
 20 25 30

Val Ala Ser Gly Phe Leu Gly Leu Ser Pro Leu Cys Gly
 35 40 45

<210> 186
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 186
 Met Ala Phe Gly Leu Gln Met Phe Ile Gln Arg Lys Phe Pro Tyr Pro
 1 5 10 15

Leu Gln Trp Ser Leu Leu Val Ala Val Val Ala Gly Ser Val Val Ser
 20 25 30

Tyr Gly Val Thr Arg Val Glu Ser Glu Lys Cys Asn Asn Leu Trp Leu
 35 40 45

Phe Leu Glu Thr Gly Gln Leu Pro Lys Asp Arg Ser Thr Asp Gln Arg
 50 55 60

Ser
 65

<210> 187
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 187
 Met Asn Leu Leu Gly Met Ile Phe Ser Met Cys Gly Leu Met Leu Lys
 1 5 10 15

Leu Lys Trp Cys Ala Trp Val Ala Val Tyr Cys Ser Phe Ile Ser Phe
 20 25 30

Ala Asn Ser Arg Ser Ser Glu Asp Thr Lys Gln Met Met Ser Ser Phe
 35 40 45

Met

<210> 188
 <211> 170
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Leu Leu Asn Val Ala Leu Val Ala Leu Val Leu Leu Gly Ala Tyr
 1 5 10 15
 Arg Leu Trp Val Arg Trp Gly Arg Arg Gly Leu Gly Ala Gly Ala Gly
 20 25 30
 Ala Gly Glu Glu Ser Pro Ala Thr Ser Leu Pro Arg Met Lys Lys Arg
 35 40 45
 Asp Phe Ser Leu Glu Gln Leu Arg Gln Tyr Asp Gly Ser Arg Asn Pro
 50 55 60
 Arg Ile Leu Leu Ala Val Asn Gly Lys Val Phe Asp Val Thr Lys Gly
 65 70 75 80
 Ser Lys Phe Tyr Gly Pro Ala Gly Pro Tyr Gly Ile Phe Ala Gly Arg
 85 90 95
 Asp Ala Ser Arg Gly Leu Ala Thr Phe Cys Leu Asp Lys Asp Ala Leu
 100 105 110
 Arg Asp Glu Tyr Asp Asp Leu Ser Asp Leu Asn Ala Val Gln Met Glu
 115 120 125
 Ser Val Arg Glu Trp Glu Met Gln Phe Lys Glu Lys Tyr Asp Tyr Val
 130 135 140
 Gly Arg Leu Leu Lys Pro Gly Glu Glu Pro Ser Glu Tyr Thr Asp Glu
 145 150 155 160
 Glu Asp Thr Lys Asp His Asn Lys Gln Asp
 165 170

<210> 189
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 189
 Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp
 1 5 10 15
 Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Val
 20 25 30
 Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met
 35 40 45
 Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Ala Phe Val Tyr
 50 55 60
 Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met
 65 70 75 80

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<210> 190
<211> 92
<212> PRT
<213> Homo sapiens
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<210> 191
<211> 176
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (137)
<223> Xaa equals any of the L-amino acids commonly found in naturally
      occurring proteins
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<400> 191
Met Arg Gly Ser His Leu Arg Leu Leu Pro Tyr Leu Val Ala Ala Asn
  1          5          10          15
Pro Val Asn Tyr Gly Arg Pro Tyr Arg Leu Ser Cys Val Glu Ala Phe
          20          25          30
Ala Ala Thr Phe Cys Ile Val Gly Phe Pro Asp Leu Ala Val Ile Leu
          35          40          45
Leu Arg Lys Phe Lys Trp Gly Lys Gly Phe Leu Asp Leu Asn Arg Gln
          50          55          60
Leu Leu Asp Lys Tyr Ala Cys Gly Ser Pro Glu Glu Val Leu Gln
          65          70          75          80

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<210> 192  
<211> 70  
<212> PRT  
<213> Homo sapiens
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<210> 193
<211> 25
<212> PRT
<213> Homo sapiens
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<220>
<221> MISC_FEATURE
<222> (15)
<223> Xaa equals any of the L-amino acids commonly found in naturally
      occurring proteins
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<400> 193
Met Thr Leu Leu Ile Ile Phe Leu Pro Phe Xaa Phe Thr Thr Xaa Thr

1 5 10 15
 Asn Ser Gly Gly Ser Phe Pro Val Arg
 20 25

<210> 194
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (21)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 194
 Met Lys Gly Glu Leu Leu Pro Phe Leu Phe Leu Thr Val Trp Leu Trp
 1 5 10 15
 Leu Tyr Lys Leu Xaa Phe Gly Glu Ser Pro Arg Tyr Pro Asn Val Ile
 20 25 30
 Gly Lys Thr Tyr Phe Phe Phe Trp Thr Asp Gln Ile Ser Arg Glu Ser
 35 40 45
 Arg Phe Leu Glu Arg Leu Ala Phe Ile Val Ser Glu Asn Cys Leu Ile
 50 55 60
 Phe Leu Ile His Ala Ile Thr Gly Gln
 65 70

<210> 195
 <211> 289
 <212> PRT
 <213> Homo sapiens

<400> 195
 Met Ser Gly Phe Ser Thr Glu Glu Arg Ala Ala Pro Phe Ser Leu Glu
 1 5 10 15
 Tyr Arg Val Phe Leu Lys Asn Glu Lys Gly Gln Tyr Ile Ser Pro Phe
 20 25 30
 His Asp Ile Pro Ile Tyr Ala Asp Lys Asp Val Phe His Met Val Val
 35 40 45
 Glu Val Pro Arg Trp Ser Asn Ala Lys Met Glu Ile Ala Thr Lys Asp
 50 55 60
 Pro Leu Asn Pro Ile Lys Gln Asp Val Lys Lys Gly Lys Leu Arg Tyr
 65 70 75 80
 Val Ala Asn Leu Phe Pro Tyr Lys Gly Tyr Ile Trp Asn Tyr Gly Ala
 85 90 95
 Ile Pro Gln Thr Trp Glu Asp Pro Gly His Asn Asp Lys His Thr Gly
 100 105 110
 Cys Cys Gly Asp Asn Asp Pro Ile Asp Val Cys Glu Ile Gly Ser Lys
 115 120 125

Val Cys Ala Arg Gly Glu Ile Ile Gly Val Lys Val Leu Gly Ile Leu
 130 135 140
 Ala Met Ile Asp Glu Gly Glu Thr Asp Trp Lys Val Ile Ala Ile Asn
 145 150 155 160
 Val Asp Asp Pro Asp Ala Ala Asn Tyr Asn Asp Ile Asn Asp Val Lys
 165 170 175
 Arg Leu Lys Pro Gly Tyr Leu Glu Ala Thr Val Asp Trp Phe Arg Arg
 180 185 190
 Tyr Lys Val Pro Asp Gly Lys Pro Glu Asn Glu Phe Ala Phe Asn Ala
 195 200 205
 Glu Phe Lys Asp Lys Asp Phe Ala Ile Asp Ile Ile Lys Ser Thr His
 210 215 220
 Asp His Trp Lys Ala Leu Val Thr Lys Lys Thr Asn Gly Lys Gly Ile
 225 230 235 240
 Ser Cys Met Asn Thr Thr Leu Ser Glu Ser Pro Phe Lys Cys Asp Pro
 245 250 255
 Asp Ala Ala Arg Ala Ile Val Asp Ala Leu Pro Pro Pro Cys Glu Ser
 260 265 270
 Ala Cys Thr Val Pro Thr Asp Val Asp Lys Trp Phe His His Gln Lys
 275 280 285

Asn

<210> 196
 <211> 624
 <212> PRT
 <213> Homo sapiens

<400> 196

Met Glu Ile Pro Gly Ser Leu Cys Lys Lys Val Lys Leu Ser Asn Asn
 1 5 10 15
 Ala Gln Asn Trp Gly Met Gln Arg Ala Thr Asn Val Thr Tyr Gln Ala
 20 25 30
 His His Val Ser Arg Asn Lys Arg Gly Gln Val Val Gly Thr Arg Gly
 35 40 45
 Gly Phe Arg Gly Cys Thr Val Trp Leu Thr Gly Leu Ser Gly Ala Gly
 50 55 60
 Lys Thr Thr Val Ser Met Ala Leu Glu Glu Tyr Leu Val Cys His Gly
 65 70 75 80
 Ile Pro Cys Tyr Thr Leu Asp Gly Asp Asn Ile Arg Gln Gly Leu Asn
 85 90 95
 Lys Asn Leu Gly Phe Ser Pro Glu Asp Arg Glu Glu Asn Val Arg Arg
 100 105 110
 Ile Ala Glu Val Ala Lys Leu Phe Ala Asp Ala Gly Leu Val Cys Ile
 115 120 125
 Thr Ser Phe Ile Ser Pro Tyr Thr Gln Asp Arg Asn Asn Ala Arg Gln

130	135	140
Ile His Glu Gly Ala Ser Leu Pro Phe Phe Glu Val Phe Val Asp Ala 145 150 155 160		
Pro Leu His Val Cys Glu Gln Arg Asp Val Lys Gly Leu Tyr Lys Lys 165 170 175		
Ala Arg Ala Gly Glu Ile Lys Gly Phe Thr Gly Ile Asp Ser Glu Tyr 180 185 190		
Glu Lys Pro Glu Ala Pro Glu Leu Val Leu Lys Thr Asp Ser Cys Asp 195 200 205		
Val Asn Asp Cys Val Gln Gln Val Val Glu Leu Leu Gln Glu Arg Asp 210 215 220		
Ile Val Pro Val Asp Ala Ser Tyr Glu Val Lys Glu Leu Tyr Val Pro 225 230 235 240		
Glu Asn Lys Leu His Leu Ala Lys Thr Asp Ala Glu Thr Leu Pro Ala 245 250 255		
Leu Lys Ile Asn Lys Val Asp Met Gln Trp Val Gln Val Leu Ala Glu 260 265 270		
Gly Trp Ala Thr Pro Leu Asn Gly Phe Met Arg Glu Arg Glu Tyr Leu 275 280 285		
Gln Cys Leu His Phe Asp Cys Leu Leu Asp Gly Gly Val Ile Asn Leu 290 295 300		
Ser Val Pro Ile Val Leu Thr Ala Thr His Glu Asp Lys Glu Arg Leu 305 310 315 320		
Asp Gly Cys Thr Ala Phe Ala Leu Met Tyr Glu Gly Arg Arg Val Ala 325 330 335		
Ile Leu Arg Asn Pro Glu Phe Phe Glu His Arg Lys Glu Glu Arg Cys 340 345 350		
Ala Arg Gln Trp Gly Thr Thr Cys Lys Asn His Pro Tyr Ile Lys Met 355 360 365		
Val Met Glu Gln Gly Asp Trp Leu Ile Gly Gly Asp Leu Gln Val Leu 370 375 380		
Asp Arg Val Tyr Trp Asn Asp Gly Leu Asp Gln Tyr Arg Leu Thr Pro 385 390 395 400		
Thr Glu Leu Lys Gln Lys Phe Lys Asp Met Asn Ala Asp Ala Val Phe 405 410 415		
Ala Phe Gln Leu Arg Asn Pro Val His Asn Gly His Ala Leu Leu Met 420 425 430		
Gln Asp Thr His Lys Gln Leu Leu Glu Arg Gly Tyr Arg Arg Pro Val 435 440 445		
Leu Leu Leu His Pro Leu Gly Gly Trp Thr Lys Asp Asp Asp Val Pro 450 455 460		
Leu Met Trp Arg Met Lys Gln His Ala Ala Val Leu Glu Glu Gly Val 465 470 475 480		
Leu Asn Pro Glu Thr Thr Val Val Ala Ile Phe Pro Ser Pro Met Met		

485										490					495				
Tyr	Ala	Gly	Pro	Thr	Glu	Val	Gln	Trp	His	Cys	Arg	Ala	Arg	Met	Val				
			500					505					510						
Ala	Gly	Ala	Asn	Phe	Tyr	Ile	Val	Gly	Arg	Asp	Pro	Ala	Gly	Met	Pro				
		515					520					525							
His	Pro	Glu	Thr	Gly	Lys	Asp	Leu	Tyr	Glu	Pro	Ser	His	Gly	Ala	Lys				
	530					535					540								
Val	Leu	Thr	Met	Ala	Pro	Gly	Leu	Ile	Thr	Leu	Glu	Ile	Val	Pro	Phe				
545					550					555					560				
Arg	Val	Ala	Ala	Tyr	Asn	Lys	Lys	Lys	Lys	Arg	Met	Asp	Tyr	Tyr	Asp				
			565						570					575					
Ser	Glu	His	His	Glu	Asp	Phe	Glu	Phe	Ile	Ser	Gly	Thr	Arg	Met	Arg				
			580					585					590						
Lys	Leu	Ala	Arg	Glu	Gly	Gln	Lys	Pro	Pro	Glu	Gly	Phe	Met	Ala	Pro				
		595					600					605							
Lys	Ala	Trp	Thr	Val	Leu	Thr	Glu	Tyr	Tyr	Lys	Ser	Leu	Glu	Lys	Ala				
	610					615					620								

<210> 197
 <211> 649
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (555)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (557)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (558)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 197
 Met Ser Ala Ser Gln Asp Leu Glu Pro Lys Pro Leu Phe Pro Lys Pro
 1 5 10 15
 Ala Phe Gly Gln Lys Pro Pro Leu Ser Thr Glu Asn Ser His Glu Asp
 20 25 30
 Glu Ser Pro Met Lys Asn Val Ser Ser Ser Lys Gly Ser Pro Ala Pro
 35 40 45
 Leu Gly Val Arg Ser Lys Ser Gly Pro Leu Lys Pro Ala Arg Glu Asp
 50 55 60

Ser Glu Asn Lys Asp His Ala Gly Glu Ile Ser Ser Leu Pro Phe Pro
 65 70 75 80
 Gly Val Val Leu Lys Pro Ala Ala Ser Arg Gly Gly Pro Gly Leu Ser
 85 90 95
 Lys Asn Gly Glu Glu Lys Lys Glu Asp Arg Lys Ile Asp Ala Ala Lys
 100 105 110
 Asn Thr Phe Gln Ser Lys Ile Asn Gln Glu Glu Leu Ala Ser Gly Thr
 115 120 125
 Pro Pro Ala Arg Phe Pro Lys Ala Pro Ser Lys Leu Thr Val Gly Gly
 130 135 140
 Pro Trp Gly Gln Ser Gln Glu Lys Glu Lys Gly Asp Lys Asn Ser Ala
 145 150 155 160
 Thr Pro Lys Gln Lys Pro Leu Pro Pro Leu Phe Thr Leu Gly Pro Pro
 165 170 175
 Pro Pro Lys Pro Asn Arg Pro Pro Asn Val Asp Leu Thr Lys Phe His
 180 185 190
 Lys Thr Ser Ser Gly Asn Ser Thr Ser Lys Gly Gln Thr Ser Tyr Ser
 195 200 205
 Thr Thr Ser Leu Pro Pro Pro Pro Ser His Pro Ala Ser Gln Pro
 210 215 220
 Pro Leu Pro Ala Ser His Pro Ser Gln Pro Pro Val Pro Ser Leu Pro
 225 230 235 240
 Pro Arg Asn Ile Lys Pro Pro Phe Asp Leu Lys Ser Pro Val Asn Glu
 245 250 255
 Asp Asn Gln Asp Gly Val Thr His Ser Asp Gly Ala Gly Asn Leu Asp
 260 265 270
 Glu Glu Gln Asp Ser Glu Gly Glu Thr Tyr Glu Asp Ile Glu Ala Ser
 275 280 285
 Lys Glu Arg Glu Lys Lys Arg Glu Lys Glu Glu Lys Lys Arg Leu Glu
 290 295 300
 Leu Glu Lys Lys Glu Gln Lys Glu Lys Glu Lys Lys Glu Gln Glu Ile
 305 310 315 320
 Lys Lys Lys Phe Lys Leu Thr Gly Pro Ile Gln Val Ile His Leu Ala
 325 330 335
 Lys Ala Cys Cys Asp Val Lys Gly Gly Lys Asn Glu Leu Ser Phe Lys
 340 345 350
 Gln Gly Glu Gln Ile Glu Ile Ile Arg Ile Thr Asp Asn Pro Glu Gly
 355 360 365
 Lys Trp Leu Gly Arg Thr Ala Arg Gly Ser Tyr Gly Tyr Ile Lys Thr
 370 375 380
 Thr Ala Val Glu Ile Asp Tyr Asp Ser Leu Lys Leu Lys Lys Asp Ser
 385 390 395 400
 Leu Gly Ala Pro Ser Arg Pro Ile Glu Asp Asp Gln Glu Val Tyr Asp
 405 410 415

Asp Val Ala Glu Gln Asp Asp Ile Ser Ser His Ser Gln Ser Gly Ser
 420 425 430
 Gly Gly Ile Phe Pro Pro Pro Pro Asp Asp Asp Ile Tyr Asp Gly Ile
 435 440 445
 Glu Glu Glu Asp Ala Asp Asp Gly Ser Thr Leu Gln Val Gln Glu Lys
 450 455 460
 Ser Asn Thr Trp Ser Trp Gly Ile Leu Lys Met Leu Lys Gly Lys Asp
 465 470 475 480
 Asp Arg Lys Lys Ser Ile Arg Glu Lys Pro Lys Val Ser Asp Ser Asp
 485 490 495
 Asn Asn Glu Gly Ser Ser Phe Pro Ala Pro Pro Lys Gln Leu Asp Met
 500 505 510
 Gly Asp Glu Val Tyr Asp Asp Val Asp Thr Ser Asp Phe Pro Val Ser
 515 520 525
 Ser Ala Glu Met Ser Gln Gly Thr Asn Val Gly Lys Ala Lys Thr Glu
 530 535 540
 Glu Lys Asp Leu Lys Lys Leu Lys Lys Gln Xaa Lys Xaa Xaa Lys Asp
 545 550 555 560
 Phe Arg Lys Lys Phe Lys Tyr Asp Gly Glu Ile Arg Val Leu Tyr Ser
 565 570 575
 Thr Lys Val Thr Thr Ser Ile Thr Ser Lys Lys Trp Gly Thr Arg Asp
 580 585 590
 Leu Gln Val Lys Pro Gly Glu Ser Leu Glu Val Ile Gln Thr Thr Asp
 595 600 605
 Asp Thr Lys Val Leu Cys Arg Asn Glu Glu Gly Lys Tyr Gly Tyr Val
 610 615 620
 Leu Arg Ser Tyr Leu Ala Asp Asn Asp Gly Glu Ile Tyr Asp Asp Ile
 625 630 635 640
 Ala Asp Gly Cys Ile Tyr Asp Asn Asp
 645

<210> 198
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 198
 Met Ala Trp Pro Ser Arg Ser Lys Met Phe Thr Leu Leu Pro Val Leu
 1 5 10 15
 Cys Tyr Leu Trp Ser Leu Trp Leu Pro Gln Phe Ser Trp Ile Gln Glu
 20 25 30
 Leu Lys Ala Val Leu Arg Asp Asp Gly Leu Ile Ser Ala Val Ala Trp
 35 40 45
 Asn Ala Glu Phe Gln Thr Cys
 50 55

<210> 199
 <211> 266
 <212> PRT
 <213> Homo sapiens

<400> 199
 Met Val Lys Val Thr Phe Asn Ser Ala Leu Ala Gln Lys Glu Ala Lys
 1 5 10 15
 Lys Asp Glu Pro Lys Ser Gly Glu Glu Ala Leu Ile Ile Pro Pro Asp
 20 25 30
 Ala Val Ala Val Asp Cys Lys Asp Pro Asp Asp Val Val Pro Val Gly
 35 40 45
 Gln Arg Arg Ala Trp Cys Trp Cys Met Cys Phe Gly Leu Ala Phe Met
 50 55 60
 Leu Ala Gly Val Ile Leu Gly Gly Ala Tyr Leu Tyr Lys Tyr Phe Ala
 65 70 75 80
 Leu Gln Pro Asp Asp Val Tyr Tyr Cys Gly Ile Lys Tyr Ile Lys Asp
 85 90 95
 Asp Val Ile Leu Asn Glu Pro Ser Ala Asp Ala Pro Ala Ala Leu Tyr
 100 105 110
 Gln Thr Ile Glu Glu Asn Ile Lys Ile Phe Glu Glu Glu Glu Val Glu
 115 120 125
 Phe Ile Ser Val Pro Val Pro Glu Phe Ala Asp Ser Asp Pro Ala Asn
 130 135 140
 Ile Val His Asp Phe Asn Lys Lys Leu Thr Ala Tyr Leu Asp Leu Asn
 145 150 155 160
 Leu Asp Lys Cys Tyr Val Ile Pro Leu Asn Thr Ser Ile Val Met Pro
 165 170 175
 Pro Arg Asn Leu Leu Glu Leu Leu Ile Asn Ile Lys Ala Gly Thr Tyr
 180 185 190
 Leu Pro Gln Ser Tyr Leu Ile His Glu His Met Val Ile Thr Asp Arg
 195 200 205
 Ile Glu Asn Ile Asp His Leu Gly Phe Phe Ile Tyr Arg Leu Cys His
 210 215 220
 Asp Lys Glu Thr Tyr Lys Leu Gln Arg Arg Glu Thr Ile Lys Gly Ile
 225 230 235 240
 Gln Lys Arg Glu Ala Ser Asn Cys Phe Ala Ile Arg His Phe Glu Asn
 245 250 255
 Lys Phe Ala Val Glu Thr Leu Ile Cys Ser
 260 265

<210> 200
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 200

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Met Asp Leu Arg Gln Phe Leu Met Cys Leu Ser Leu Cys Thr Ala Phe
 1          5          10          15

Ala Leu Ser Lys Pro Thr Glu Lys Lys Asp Arg Val His His Glu Pro
          20          25          30

Gln Leu Ser Asp Lys Val His Asn Asp Ala Gln Ser Phe Asp Tyr Asp
          35          40          45

His Asp Ala Phe Leu Gly Ala Glu Glu Ala Lys Thr Phe Asp Gln Leu
          50          55          60

Thr Pro Glu Glu Ser Lys Glu Arg Leu Gly Lys Ile Val Ser Lys Ile
          65          70          75          80

Asp Gly Asp Lys Asp Gly Phe Val Thr Val Asp Glu Leu Lys Asp Trp
          85          90          95

Ile Lys Phe Ala Gln Lys Arg Trp Ile Tyr Glu Asp Val Glu Arg Gln
          100          105          110

Trp Lys Gly His Asp Leu Asn Glu Asp Gly Leu Val Ser Trp Glu Glu
          115          120          125

Tyr Lys Asn Ala Thr Tyr Gly Tyr Val Leu Asp Asp Pro Asp Pro Asp
          130          135          140

Asp Gly Phe Asn Tyr Lys Gln Met Met Val Arg Asp Glu Arg Arg Phe
          145          150          155          160

Lys Met Ala Asp Lys Asp Gly Asp Leu Ile Ala Thr Lys Glu Glu Phe
          165          170          175

Thr Ala Phe Leu His Pro Glu Glu Tyr Asp Tyr Met Lys Asp Ile Val
          180          185          190

Val Gln Glu Thr Met Glu Asp Ile Asp Lys Asn Ala Asp Gly Phe Ile
          195          200          205

Asp Leu Glu Glu Tyr Ile Gly Asp Met Tyr Ser His Asp Gly Asn Thr
          210          215          220

Asp Glu Pro Glu Trp Val Lys Thr Glu Arg Glu Gln Phe Val Glu Phe
          225          230          235          240

Arg Asp Lys Asn Arg Asp Gly Lys Met Asp Lys Glu Glu Thr Lys Asp
          245          250          255

Trp Ile Leu Pro Ser Asp Tyr Asp His Ala Glu Ala Glu Ala Arg His
          260          265          270

Leu Val Tyr Glu Ser Asp Gln Asn Lys Asp Gly Lys Leu Thr Lys Glu
          275          280          285

Glu Ile Val Asp Lys Tyr Asp Leu Phe Val Gly Ser Gln Ala Thr Asp
          290          295          300

Phe Gly Glu Ala Leu Val Arg His Asp Glu Phe
          305          310          315

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<210> 201

<211> 207

<212> PRT

<213> Homo sapiens

<400> 201

Met Phe Asp Ala Val Leu Ile Leu Leu Leu Ile Pro Leu Lys Asp Lys
 1 5 10 15

Leu Val Asp Pro Ile Leu Arg Arg His Gly Leu Leu Pro Ser Ser Leu
 20 25 30

Lys Arg Ile Ala Val Gly Met Phe Phe Val Met Cys Ser Ala Phe Ala
 35 40 45

Ala Gly Ile Leu Glu Ser Lys Arg Leu Asn Leu Val Lys Glu Lys Thr
 50 55 60

Ile Asn Gln Thr Ile Gly Asn Val Val Tyr His Ala Ala Asp Leu Ser
 65 70 75 80

Leu Trp Trp Gln Val Pro Gln Tyr Leu Leu Ile Gly Ile Ser Glu Ile
 85 90 95

Phe Ala Ser Ile Ala Gly Leu Glu Phe Ala Tyr Ser Ala Ala Pro Lys
 100 105 110

Ser Met Gln Ser Ala Ile Met Gly Leu Phe Phe Phe Phe Ser Gly Val
 115 120 125

Gly Ser Phe Val Gly Ser Gly Leu Leu Ala Leu Val Ser Ile Lys Ala
 130 135 140

Ile Gly Trp Met Ser Ser His Thr Asp Phe Gly Asn Ile Asn Gly Cys
 145 150 155 160

Tyr Leu Asn Tyr Tyr Phe Phe Leu Leu Ala Ala Ile Gln Gly Ala Thr
 165 170 175

Leu Leu Leu Phe Leu Ile Ile Ser Val Lys Tyr Asp His His Arg Asp
 180 185 190

His Gln Arg Ser Arg Ala Asn Gly Val Pro Thr Ser Arg Arg Ala
 195 200 205

<210> 202

<211> 195

<212> PRT

<213> Homo sapiens

<400> 202

Met Arg Ser Arg Ile Arg Glu Phe Asp Ser Ser Thr Leu Asn Glu Ser
 1 5 10 15

Val Arg Asn Thr Ile Met Arg Asp Leu Lys Ala Val Gly Lys Lys Phe
 20 25 30

Met His Val Leu Tyr Pro Arg Lys Ser Asn Thr Leu Leu Arg Asp Trp
 35 40 45

Asp Leu Trp Gly Pro Leu Ile Leu Cys Val Thr Leu Ala Leu Met Leu
 50 55 60

Gln Arg Asp Ser Ala Asp Ser Glu Lys Asp Gly Gly Pro Gln Phe Ala
 65 70 75 80

Glu Val Phe Val Ile Val Trp Phe Gly Ala Val Thr Ile Thr Leu Asn

85

90

95

Ser Lys Leu Leu Gly Gly Asn Ile Ser Phe Phe Gln Ser Leu Cys Val
 100 105 110

Leu Gly Tyr Cys Ile Leu Pro Leu Thr Val Ala Met Leu Ile Cys Arg
 115 120 125

Leu Val Leu Leu Ala Asp Pro Gly Pro Val Asn Phe Met Val Arg Leu
 130 135 140

Phe Val Val Ile Val Met Phe Ala Trp Ser Ile Val Ala Ser Thr Ala
 145 150 155 160

Phe Leu Ala Asp Ser Gln Pro Pro Asn Arg Arg Ala Leu Ala Val Tyr
 165 170 175

Pro Val Phe Leu Phe Tyr Phe Val Ile Ser Trp Met Ile Leu Thr Phe
 180 185 190

Thr Pro Gln
 195

<210> 203
 <211> 330
 <212> PRT
 <213> Homo sapiens

<400> 203
 Met Ala Lys Asp Gln Ala Val Glu Asn Ile Leu Val Ser Pro Val Val
 1 5 10 15

Val Ala Ser Ser Leu Gly Leu Val Ser Leu Gly Gly Lys Ala Thr Thr
 20 25 30

Ala Ser Gln Ala Lys Ala Val Leu Ser Ala Glu Gln Leu Arg Asp Glu
 35 40 45

Glu Val His Ala Gly Leu Gly Glu Leu Leu Arg Ser Leu Ser Asn Ser
 50 55 60

Thr Ala Arg Asn Val Thr Trp Lys Leu Gly Ser Arg Leu Tyr Gly Pro
 65 70 75 80

Ser Ser Val Ser Phe Ala Asp Asp Phe Val Arg Ser Ser Lys Gln His
 85 90 95

Tyr Asn Cys Glu His Ser Lys Ile Asn Phe Arg Asp Lys Arg Ser Ala
 100 105 110

Leu Gln Ser Ile Asn Glu Trp Ala Ala Gln Thr Thr Asp Gly Lys Leu
 115 120 125

Pro Glu Val Thr Lys Asp Val Glu Arg Thr Asp Gly Ala Leu Leu Val
 130 135 140

Asn Ala Met Phe Phe Lys Pro His Trp Asp Glu Lys Phe His His Lys
 145 150 155 160

Met Val Asp Asn Arg Gly Phe Met Val Thr Arg Ser Tyr Thr Val Gly
 165 170 175

Val Met Met Met His Arg Thr Gly Leu Tyr Asn Tyr Tyr Asp Asp Glu
 180 185 190

Lys Glu Lys Leu Gln Ile Val Glu Met Pro Leu Ala His Lys Leu Ser
 195 200 205
 Ser Leu Ile Ile Leu Met Pro His His Val Glu Pro Leu Glu Arg Leu
 210 215 220
 Glu Lys Leu Leu Thr Lys Glu Gln Leu Lys Ile Trp Met Gly Lys Met
 225 230 235 240
 Gln Lys Lys Ala Val Ala Ile Ser Leu Pro Lys Gly Val Val Glu Val
 245 250 255
 Thr His Asp Leu Gln Lys His Leu Ala Gly Leu Gly Leu Thr Glu Ala
 260 265 270
 Ile Asp Lys Asn Lys Ala Asp Leu Ser Arg Met Ser Gly Lys Lys Asp
 275 280 285
 Leu Tyr Leu Ala Ser Val Phe His Ala Thr Ala Phe Glu Leu Asp Thr
 290 295 300
 Asp Gly Asn Pro Leu Thr Arg Ile Thr Gly Gly Gly Val Arg Thr Gln
 305 310 315 320
 Val Phe Tyr Ala Asp His Pro Phe Ile Ser
 325 330

<210> 204
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 204
 Met Cys Met Gln Leu Phe Gly Phe Leu Ala Phe Met Ile Phe Met Cys
 1 5 10 15
 Trp Val Gly Asp Val Tyr Pro Val Tyr Gln Pro Val Gly Pro Lys Gln
 20 25 30
 Tyr Pro Tyr Asn Asn Leu Tyr Leu Glu Arg Gly Gly Asp Pro Ser Lys
 35 40 45
 Glu Pro Glu Arg Val Val His Tyr Glu Ile
 50 55

<210> 205
 <211> 392
 <212> PRT
 <213> Homo sapiens

<400> 205
 Met Asp Ala Leu Val Glu Asp Asp Ile Cys Ile Leu Asn His Glu Lys
 1 5 10 15
 Ala His Lys Arg Asp Thr Val Thr Pro Val Ser Ile Tyr Ser Gly Asp
 20 25 30
 Glu Ser Val Ala Ser His Phe Ala Leu Val Thr Ala Tyr Glu Asp Ile
 35 40 45
 Lys Lys Arg Leu Lys Asp Ser Glu Lys Glu Asn Ser Leu Leu Lys Lys

<210> 206
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 206
 Met His His His Thr Gln Leu Met Phe Ile Tyr Leu Phe Ile Tyr Leu
 1 5 10 15
 Phe Ile Leu Gly Val Phe Phe Phe Phe Phe
 20 25

<210> 207
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 207
 Met Asn Cys Ile Leu Leu Leu Tyr Leu Leu Ile Pro Thr Ile Ser Ile
 1 5 10 15
 Ser Val Val Pro Tyr Val Ala Leu Asn Ile Lys Tyr Ile Lys Glu Cys
 20 25 30
 Thr Glu Asn Ser Phe Tyr
 35

<210> 208
 <211> 45
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (28)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 208
 Met Lys Lys Ser Leu Glu Asn Leu Asn Arg Leu Gln Val Met Leu Leu
 1 5 10 15
 His Leu Thr Ala Ala Phe Leu Gln Arg Ala His Xaa Ile Leu Thr Thr
 20 25 30
 Arg Met Ser Leu Gly Phe Gln Ser Pro His Leu Thr Met
 35 40 45

<210> 209
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 209
 Met Ser Lys Arg Ser Ala Ser Phe Ile Leu Leu Pro Leu Leu Phe Leu
 1 5 10 15
 Lys Gly Ser Phe Ala Lys Leu Asn Ala Arg Ile Ser Asp Cys Leu Glu
 20 25 30

Glu Arg Tyr Cys His Asn Leu Trp Met Val Phe Gln Gly Cys Val Ile
 35 40 45
 Thr Glu Leu His Leu Ser Arg Met Ser Lys Thr Leu Ser Ser Leu Cys
 50 55 60
 Tyr Asp Phe Val Ile Asn Val Tyr Ile Phe Phe Lys Phe Leu Asp Ile
 65 70 75 80
 Thr

<210> 210
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 210
 Met Cys Ser Leu Phe Glu Ser Arg Phe Phe Cys Phe Val Leu Phe Ser
 1 5 10 15
 Glu Lys Ile Ile Gln Leu Cys Ala Ser Ile Ala Phe Leu Cys Phe Val
 20 25 30
 Lys His Val Pro Trp Pro Lys Trp Lys Arg Lys Cys Leu Ile Asn Ala
 35 40 45
 Phe

<210> 211
 <211> 203
 <212> PRT
 <213> Homo sapiens

<400> 211
 Met Thr Leu Arg Pro Ser Leu Leu Pro Leu His Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Ser Ala Ala Val Cys Arg Ala Glu Ala Gly Leu Glu Thr Glu
 20 25 30
 Ser Pro Val Arg Thr Leu Gln Val Glu Thr Leu Val Glu Pro Pro Glu
 35 40 45
 Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp Thr Leu His Ile His Tyr
 50 55 60
 Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg
 65 70 75 80
 Asp Pro Leu Val Ile Glu Leu Gly Gln Lys Gln Val Ile Pro Gly Leu
 85 90 95
 Glu Gln Ser Leu Leu Asp Met Cys Val Gly Glu Lys Arg Arg Ala Ile
 100 105 110
 Ile Pro Ser His Leu Ala Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val
 115 120 125
 Pro Ala Asp Ala Val Val Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile

130 135 140
 Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys Gly Ile Leu Pro Leu Val
 145 150 155 160
 Gly Met Ala Met Val Pro Pro Ser Trp Ala Ser Leu Gly Ile Thr Tyr
 165 170 175
 Thr Glu Arg Pro Ile Asp Pro Lys Ser Pro Lys Arg Ser Ser Arg Lys
 180 185 190
 Arg Asn Glu Thr Arg Ala Lys Arg Asn Asn Lys
 195 200

<210> 212
 <211> 186
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (122)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (136)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (142)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 212
 Met Lys Thr Leu Met Thr Ile Cys Pro Gly Thr Val Leu Leu Val Phe
 1 5 10 15
 Ser Ile Ser Leu Trp Ile Ile Ala Ala Trp Thr Val Arg Val Cys Glu
 20 25 30
 Ser Pro Glu Ser Pro Ala Gln Pro Ser Gly Ser Ser Leu Pro Ala Trp
 35 40 45
 Tyr His Asp Gln Gln Asp Val Thr Ser Asn Phe Leu Gly Ala Met Trp
 50 55 60
 Leu Ile Ser Ile Thr Phe Leu Ser Ile Gly Tyr Gly Asp Met Val Pro
 65 70 75 80
 His Thr Tyr Cys Gly Lys Gly Val Cys Leu Leu Thr Gly Ile Met Gly
 85 90 95
 Ala Gly Cys Thr Ala Leu Val Val Ala Val Val Ala Arg Lys Leu Glu
 100 105 110
 Leu Thr Lys Ala Glu Lys His Val His Xaa Phe Met Met Asp Thr Gln
 115 120 125
 Leu Thr Lys Arg Ile Lys Asn Xaa Ala Ala Asn Val Leu Xaa Glu Thr
 130 135 140

Trp Leu Ile Tyr Lys His Thr Lys Leu Leu Lys Lys Ile Asp His Ala
145 150 155 160

Lys Val Arg Asn Thr Arg Gly Ser Ser Ser Lys Tyr Pro Pro Val Glu
165 170 175

Glu Arg Gln Asp Gly Thr Glu Glu Ala Glu
180 185

<210> 213
<211> 90
<212> PRT
<213> Homo sapiens

<400> 213
Met Lys Phe Leu Ala Val Leu Val Leu Leu Gly Val Ser Ile Phe Leu
1 5 10 15

Val Ser Ala Gln Asn Pro Thr Thr Ala Ala Pro Ala Asp Thr Tyr Pro
20 25 30

Ala Thr Gly Pro Ala Asp Asp Glu Ala Pro Asp Ala Glu Thr Thr Ala
35 40 45

Ala Ala Thr Thr Ala Thr Thr Ala Ala Pro Thr Thr Ala Thr Thr Ala
50 55 60

Ala Ser Thr Thr Ala Arg Lys Asp Ile Pro Val Leu Pro Lys Trp Val
65 70 75 80

Gly Asp Leu Pro Asn Gly Arg Val Cys Pro
85 90

<210> 214
<211> 48
<212> PRT
<213> Homo sapiens

<400> 214
Met Ser Ser Ala Ala Ala Asp His Trp Ala Trp Leu Leu Val Leu Ser
1 5 10 15

Phe Val Phe Gly Cys Asn Val Leu Arg Ile Leu Leu Pro Ser Phe Ser
20 25 30

Ser Phe Met Ser Arg Val Leu Gln Lys Asp Ala Asp Arg Ser His Arg
35 40 45

<210> 215
<211> 70
<212> PRT
<213> Homo sapiens

<400> 215
Met Thr Ala Pro Leu Pro Pro Leu Ser Gly Leu Ala Leu Phe Leu Ile
1 5 10 15

Val Phe Phe Ser Leu Gly Val Phe Cys Ile Cys His Ser His Trp Tyr
 20 25 30
 His Thr Leu Gln Gln Met Ala Gly Thr Glu Pro Lys Ala Leu Leu Leu
 35 40 45
 Ser Pro Pro Ala Ala Thr Thr Phe Val Thr Val Thr His Glu Val Trp
 50 55 60
 Lys Glu Gln Ala Leu Ala
 65 70

<210> 216
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 216
 Met Thr Cys Ser Val Ala Leu Leu Leu Ile Leu Gly Leu Arg Cys Ser
 1 5 10 15
 Gly Val Arg Pro Gly Leu Val Gly Gly His Asn Pro Ser Leu Leu
 20 25 30
 Val Cys Leu Leu Leu Lys Asp Ser Arg Thr Asn Gln Gly Ser Cys Pro
 35 40 45
 Gly Gly Pro Trp Ser Glu Arg Asp Ile Glu Ser Val Thr Ser Asp Asn
 50 55 60
 Cys Glu Ala Thr Leu Gly Tyr Arg Asn His Ser Leu Pro Ser Asn Tyr
 65 70 75 80
 Tyr Asn Ser

<210> 217
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 217
 Met Leu Thr Arg Ser Leu Lys Thr Leu Pro Ser Ala Cys Thr Ala Phe
 1 5 10 15
 Leu Leu Leu Phe Phe Leu Phe Ser Ser Gly Asp Pro Glu Leu Ser Cys
 20 25 30
 Ser Cys Thr Leu Arg Thr Gln Ser Ser Trp Ser
 35 40

<210> 218
 <211> 184
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (140)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (145)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (146)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (148)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (165)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 218

Met Trp Arg Pro Ser Val Leu Leu Leu Leu Leu Leu Arg His Gly
1 5 10 15

Ala Gln Gly Lys Pro Ser Pro Asp Ala Gly Pro His Gly Gln Gly Arg
20 25 30

Val His Gln Ala Ala Pro Leu Ser Asp Ala Pro His Asp Asp Ala His
35 40 45

Gly Asn Phe Gln Tyr Asp His Glu Ala Phe Leu Gly Arg Glu Val Ala
50 55 60

Lys Glu Phe Asp Gln Leu Thr Pro Glu Glu Ser Gln Ala Arg Leu Gly
65 70 75 80

Arg Ile Val Asp Arg Met Asp Arg Ala Gly Asp Gly Asp Gly Trp Val
85 90 95

Ser Leu Ala Glu Leu Arg Ala Trp Ile Ala His Thr Gln Gln Arg His
100 105 110

Ile Arg Asp Ser Val Ser Ala Ala Trp Asp Thr Tyr Asp Thr Asp Arg
115 120 125

Asp Gly Arg Val Gly Trp Glu Glu Leu Arg Asn Xaa Thr Tyr Gly His
130 135 140

Xaa Xaa Pro Xaa Glu Glu Phe His Asp Val Glu Asp Ala Glu Thr Tyr
145 150 155 160

Lys Lys Met Leu Xaa Arg Asp Glu Arg Arg Phe Arg Val Ala Asp Gln
165 170 175

Asp Gly Asp Ser Met Ala Thr Arg
180

<210> 219
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (40)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (51)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (55)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 219
 Met Trp Leu Phe Ile Leu Leu Ser Leu Ala Leu Ile Ser Asp Ala Met
 1 5 10 15
 Val Met Asp Glu Lys Val Lys Arg Ser Leu Cys Trp Thr Arg Leu Leu
 20 25 30
 Pro Ser Ala Thr Thr Met Pro Xaa Thr Arg Ile Thr Pro Asn Thr Gly
 35 40 45
 Ala Glu Xaa Ile Ser Val Xaa Thr Ala Thr Ser Ser Pro Ser Pro Leu
 50 55 60
 Thr Ala Pro Ile Met Trp Pro
 65 70

<210> 220
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 220
 Met His Val Phe Val Leu Glu Ile Phe Leu
 1 5 10

<210> 221
 <211> 138
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Ala Val Ala Thr Leu Ala Ser Glu Thr Leu Pro Leu Leu Ala Leu
 1 5 10 15
 Thr Phe Ile Thr Asp Asn Ser Leu Val Ala Ala Gly His Asp Cys Phe
 20 25 30
 Pro Val Leu Phe Thr Tyr Asp Ala Ala Ala Gly Met Leu Ser Phe Gly

35 40 45
 Gly Arg Leu Asp Val Pro Lys Gln Ser Ser Gln Arg Gly Leu Thr Ala
 50 55 60
 Arg Glu Arg Phe Gln Asn Leu Asp Lys Lys Ala Ser Ser Glu Gly Gly
 65 70 75 80
 Thr Ala Ala Gly Ala Gly Leu Asp Ser Leu His Lys Asn Ser Val Ser
 85 90 95
 Gln Ile Ser Val Leu Ser Gly Gly Lys Ala Lys Cys Ser Gln Phe Cys
 100 105 110
 Thr Thr Gly Met Asp Gly Gly Met Ser Ile Trp Asp Val Lys Ser Leu
 115 120 125
 Glu Ser Ala Leu Lys Asp Leu Lys Ile Lys
 130 135

<210> 222
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 222
 Met Ser Gly Gly Leu Ser Phe Leu Leu Val
 1 5 10

<210> 223
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 223
 Leu Gly Ser Leu Ser Thr Ala Pro Ser Ser Ala Leu Pro Thr Leu Gly
 1 5 10 15
 Ala Arg Arg Thr Arg Ser Lys
 20

<210> 224
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 224
 Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp
 1 5 10 15
 Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Val
 20 25 30
 Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met
 35 40 45
 Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Leu Ser Cys Thr
 50 55 60
 Ala Pro

65

<210> 225
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 225
 Gly Lys Pro Thr Gly Lys Ser Leu Pro Leu Met Trp Met Ile Leu Met
 1 5 10 15
 Gln Pro Ile Ile Met Ile Ser Met Met Ser Asn Gly
 20 25

<210> 226
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 226
 Met Gln Gly Lys Phe Met Lys Val Gln Val Tyr Arg Phe Leu Lys Tyr
 1 5 10 15
 Leu Leu Met Leu Leu Cys Met Phe Val Asn Arg Gly Met Ser Lys Asp
 20 25 30
 Ser Thr Lys Lys Pro Gly Gln Glu Lys Leu Lys Val Ser Leu Gly Ser
 35 40 45
 Ile Leu Asn Met Lys Ser Gln Arg Pro Leu Ser Trp Cys
 50 55 60

<210> 227
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 227
 Met Met Glu Arg Ser Met Met Ile Leu Leu Met Ala Ala Ser Met Thr
 1 5 10 15
 Met Thr Ser Thr Gln Leu Trp Ser Phe Cys Cys Val His
 20 25

<210> 228
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 228
 Met Trp Tyr Gln Leu Ala Lys Glu Glu Pro Gly Val Gly Ala Cys Ala
 1 5 10 15
 Leu Asp

<210> 229

<211> 72
 <212> PRT
 <213> Homo sapiens

<400> 229
 Met Leu Ile Cys Arg Leu Val Leu Leu Ala Asp Pro Gly Pro Val Asn
 1 5 10 15
 Phe Met Val Arg Leu Phe Val Val Ile Val Met Phe Ala Trp Ser Ile
 20 25 30
 Val Ala Ser Thr Ala Phe Leu Ala Asp Ser Gln Pro Pro Asn Arg Arg
 35 40 45
 Ala Leu Ala Val Tyr Pro Val Phe Leu Phe Tyr Phe Val Ile Ser Trp
 50 55 60
 Met Ile Leu Thr Phe Thr Pro Gln
 65 70

<210> 230
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (47)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins
 <220>
 <221> MISC_FEATURE
 <222> (121)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 230
 Met Arg Ser Leu Leu Leu Leu Ser Ala Phe Cys Leu Leu Glu Ala Ala
 1 5 10 15
 Leu Ala Ala Glu Val Lys Lys Pro Ala Ala Ala Ala Ala Pro Gly Thr
 20 25 30
 Ala Glu Lys Leu Ser Pro Lys Ala Ala Thr Leu Ala Glu Arg Xaa Arg
 35 40 45
 Pro Gly Leu Gln Leu Val Pro Gly His Gly Gln Gly Pro Gly Ser Gly
 50 55 60
 Glu His Pro Gly Val Thr Arg Gly Gly Gly Leu Val Ala Gly Ala Arg
 65 70 75 80
 Val Ala Gly Arg Gln Gly Asp His Gly Val Ala Gly Gln Gly Ser Ala
 85 90 95
 Glu Arg Arg Ala Ala Ala Arg Arg Gly Gly Ala Arg Arg Pro Gly Arg
 100 105 110
 Ala Ala Ala Leu Thr Gln Gln Leu Xaa Gly Ala Gln Arg Asp Leu Glu
 115 120 125
 Ala Gly Gln Pro Thr Val Arg Thr Gln Leu Ser Glu Leu Arg

130

135

140

<210> 231
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 231
 Asp Pro Glu Ala Ala Asp Ser Gly Glu Pro Gln Asn Lys Arg Thr Pro
 1 5 10 15
 Asp Leu Pro Glu Glu Glu Tyr Val Lys Glu Glu Ile Gln Glu Asn Glu
 20 25 30
 Glu Ala Val Lys Lys Met Leu Val Glu Ala Thr Arg Glu Phe Glu Glu
 35 40 45
 Val Val Val Asp Glu Ser
 50

<210> 232
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 232
 Gln Lys Leu Lys Arg Lys Ala Glu Glu Asp Pro Glu Ala Ala Asp Ser
 1 5 10 15
 Gly Glu Pro Gln Asn Lys Arg Thr Pro Asp Leu Pro Glu Glu Glu Tyr
 20 25 30
 Val Lys Glu Glu Ile Gln Glu Asn Glu Glu Ala Val Lys Lys Met Leu
 35 40 45
 Val Glu Ala Thr Arg Glu Phe Glu Glu Val Val Val Asp Glu Ser
 50 55 60

<210> 233
 <211> 113
 <212> PRT
 <213> Homo sapiens

<400> 233
 Lys Ala Met Glu Lys Ser Ser Leu Thr Gln His Ser Trp Gln Ser Leu
 1 5 10 15
 Lys Asp Arg Tyr Leu Lys His Leu Arg Gly Gln Glu His Lys Tyr Leu
 20 25 30
 Leu Gly Asp Ala Pro Val Ser Pro Ser Ser Gln Lys Leu Lys Arg Lys
 35 40 45
 Ala Glu Glu Asp Pro Glu Ala Ala Asp Ser Gly Glu Pro Gln Asn Lys
 50 55 60
 Arg Thr Pro Asp Leu Pro Glu Glu Glu Tyr Val Lys Glu Glu Ile Gln
 65 70 75 80
 Glu Asn Glu Glu Ala Val Lys Lys Met Leu Val Glu Ala Thr Arg Glu

85

90

95

Phe Glu Glu Val Val Val Asp Glu Ser Pro Pro Asp Phe Glu Ile His
 100 105 110

Ile

<210> 234

<211> 148

<212> PRT

<213> Homo sapiens

<400> 234

Leu Pro Ser Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr Ile
 1 5 10 15

Pro Leu Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp Phe
 20 25 30

Asp Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met Leu
 35 40 45

Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe Leu Ser
 50 55 60

Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile Ser Gly
 65 70 75 80

Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg Phe Ser Thr
 85 90 95

Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu Trp Trp Val Phe
 100 105 110

Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly Phe Ile Asn Tyr Ala
 115 120 125

Lys Val Arg Lys Met Pro Glu Thr Phe Ser Asn Leu Pro Arg Thr Arg
 130 135 140

Val Leu Phe Ile
 145

<210> 235

<211> 24

<212> PRT

<213> Homo sapiens

<400> 235

Ala Gly Arg Tyr Gly Ala Ile Ser Gly Phe Gly Leu Ser Leu Ile Lys
 1 5 10 15

Trp Ile Leu Ile Val Arg Phe Ser
 20

<210> 236

<211> 51

<212> PRT

<213> Homo sapiens

<400> 236

Met Lys His Leu Ser Ala Trp Asn Phe Thr Lys Leu Thr Phe Leu Gln
 1 5 10 15

Leu Trp Glu Ile Phe Glu Gly Ser Val Glu Asn Cys Gln Thr Leu Thr
 20 25 30

Ser Tyr Ser Lys Leu Gln Ile Lys Tyr Thr Phe Ser Arg Gly Ser Thr
 35 40 45

Phe Tyr Ile
 50

<210> 237

<211> 213

<212> PRT

<213> Homo sapiens

<400> 237

Phe Ser Ser Asp Phe Arg Thr Ser Pro Trp Glu Ser Arg Arg Val Glu
 1 5 10 15

Ser Lys Ala Thr Ser Ala Arg Cys Gly Leu Trp Gly Ser Gly Pro Arg
 20 25 30

Arg Arg Pro Ala Ser Gly Met Phe Arg Gly Leu Ser Ser Trp Leu Gly
 35 40 45

Leu Gln Gln Pro Val Ala Gly Gly Gly Gln Pro Asn Gly Asp Ala Pro
 50 55 60

Pro Glu Gln Pro Ser Glu Thr Val Ala Glu Ser Ala Glu Glu Glu Leu
 65 70 75 80

Gln Gln Ala Gly Asp Gln Glu Leu Leu His Gln Ala Lys Asp Phe Gly
 85 90 95

Asn Tyr Leu Phe Asn Phe Ala Ser Ala Ala Thr Lys Lys Ile Thr Glu
 100 105 110

Ser Val Ala Glu Thr Ala Gln Thr Ile Lys Lys Ser Val Glu Glu Gly
 115 120 125

Lys Ile Asp Gly Ile Ile Asp Lys Thr Ile Ile Gly Asp Phe Gln Lys
 130 135 140

Glu Gln Lys Lys Phe Val Glu Glu Gln His Thr Lys Lys Ser Glu Ala
 145 150 155 160

Ala Val Pro Pro Trp Val Asp Thr Asn Asp Glu Glu Thr Ile Gln Gln
 165 170 175

Gln Ile Leu Ala Leu Ser Ala Asp Lys Arg Asn Phe Leu Arg Asp Pro
 180 185 190

Pro Ala Gly Val Gln Phe Asn Phe Asp Phe Asp Gln Met Tyr Pro Val
 195 200 205

Ala Leu Val Met Leu
 210

<210> 238

<211> 49
 <212> PRT
 <213> Homo sapiens

<400> 238
 Met Arg Phe Ala Leu Val Pro Lys Leu Val Lys Glu Glu Val Phe Trp
 1 5 10 15
 Arg Asn Tyr Phe Tyr Arg Val Ser Leu Ile Lys Gln Ser Ala Gln Leu
 20 25 30
 Thr Ala Leu Ala Ala Gln Gln Gln Ala Ala Gly Lys Gly Gly Glu Glu
 35 40 45
 Gln

<210> 239
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 239
 Ser Thr Ser Pro Gly Val Ser Glu Phe Val Ser Asp Ala Phe Asp Ala
 1 5 10 15
 Cys Asn Leu Asn Gln Glu Asp Leu Arg Lys Glu Met Glu Gln Leu Val
 20 25 30
 Leu Asp Lys Lys Gln Glu Glu Thr Ala Val Leu Glu Glu Asp Ser Ala
 35 40 45
 Asp Trp Glu Lys Glu Leu Gln Gln Glu Leu Gln Glu Tyr Glu Val Val
 50 55 60
 Thr Glu Ser Glu Lys Arg Asp Glu Asn Trp Asp Lys
 65 70 75

<210> 240
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 240
 Ser Pro Trp Glu Ser Arg Arg Val Glu Ser Lys Ala Thr Ser Ala Arg
 1 5 10 15
 Cys Gly Leu Trp Gly Ser Gly Pro Arg Arg Arg Pro Ala Ser Gly Met
 20 25 30
 Phe Arg Gly Leu Ser Ser Trp Leu Gly Leu Gln Gln Pro Val Ala Gly
 35 40 45
 Gly Gly Gln Pro Asn Gly Asp Ala Pro Pro Glu Gln Pro Ser
 50 55 60

<210> 241
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 241

Pro Val Ala Gly Gly Gly Gln Pro Asn Gly Asp Ala Pro Pro Glu Gln
 1 5 10 15

Pro Ser Glu Thr Val Ala Glu Ser Ala Glu Glu Glu Leu Gln Gln Ala
 20 25 30

Gly Asp Gln Glu Leu Leu His Gln Ala Lys Asp Phe Gly Asn Tyr Leu
 35 40 45

Phe Asn Phe Ala Ser Ala Ala Thr Lys Lys Ile Thr Glu Ser Val Ala
 50 55 60

Glu
 65

<210> 242

<211> 72

<212> PRT

<213> Homo sapiens

<400> 242

Phe Gln Lys Glu Gln Lys Lys Phe Val Glu Glu Gln His Thr Lys Lys
 1 5 10 15

Ser Glu Ala Ala Val Pro Pro Trp Val Asp Thr Asn Asp Glu Glu Thr
 20 25 30

Ile Gln Gln Gln Ile Leu Ala Leu Ser Ala Asp Lys Arg Asn Phe Leu
 35 40 45

Arg Asp Pro Pro Ala Gly Val Gln Phe Asn Phe Asp Phe Asp Gln Met
 50 55 60

Tyr Pro Val Ala Leu Val Met Leu
 65 70

<210> 243

<211> 28

<212> PRT

<213> Homo sapiens

<400> 243

Pro Phe Ile Cys Val Ala Arg Asn Pro Val Ser Arg Asn Phe Ser Ser
 1 5 10 15

Pro Ile Leu Ala Arg Lys Leu Cys Glu Gly Ala Ala
 20 25

<210> 244

<211> 33

<212> PRT

<213> Homo sapiens

<400> 244

Lys Glu Asp Pro Ala Asn Thr Val Tyr Ser Thr Val Glu Ile Pro Lys
 1 5 10 15

Lys Met Glu Asn Pro His Ser Leu Leu Thr Met Pro Asp Thr Pro Arg
 20 25 30

Leu

<210> 245
 <211> 227
 <212> PRT
 <213> Homo sapiens

<400> 245
 Ala Ser Ala Val Leu Leu Asp Leu Pro Asn Ser Gly Gly Glu Ala Gln
 1 5 10 15
 Ala Lys Lys Leu Gly Asn Asn Cys Val Phe Ala Pro Ala Asp Val Thr
 20 25 30
 Ser Glu Lys Asp Val Gln Thr Ala Leu Ala Leu Ala Lys Gly Lys Phe
 35 40 45
 Gly Arg Val Asp Val Ala Val Asn Cys Ala Gly Ile Ala Val Ala Ser
 50 55 60
 Lys Thr Tyr Asn Leu Lys Lys Gly Gln Thr His Thr Leu Glu Asp Phe
 65 70 75 80
 Gln Arg Val Leu Asp Val Asn Leu Met Gly Thr Phe Asn Val Ile Arg
 85 90 95
 Leu Val Ala Gly Glu Met Gly Gln Asn Glu Pro Asp Gln Gly Gly Gln
 100 105 110
 Arg Gly Val Ile Ile Asn Thr Ala Ser Val Ala Ala Phe Glu Gly Gln
 115 120 125
 Val Gly Gln Ala Ala Tyr Ser Ala Ser Lys Gly Gly Ile Val Gly Met
 130 135 140
 Thr Leu Pro Ile Ala Arg Asp Leu Ala Pro Ile Gly Ile Arg Val Met
 145 150 155 160
 Thr Ile Ala Pro Gly Leu Phe Gly Thr Pro Leu Leu Thr Ser Leu Pro
 165 170 175
 Glu Lys Val Cys Asn Phe Leu Ala Ser Gln Val Pro Phe Pro Ser Arg
 180 185 190
 Leu Gly Asp Pro Ala Glu Tyr Ala His Leu Val Gln Ala Ile Ile Glu
 195 200 205
 Asn Pro Phe Leu Asn Gly Glu Val Ile Arg Leu Asp Gly Ala Ile Arg
 210 215 220
 Met Gln Pro
 225

<210> 246
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 246

Ser Val Ala Ala Phe Glu Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala
 1 5 10 15

Ser Lys Gly Gly Ile Val Gly Met Thr Leu Pro Ile Ala
 20 25

<210> 247

<211> 29

<212> PRT

<213> Homo sapiens

<400> 247

Ser Val Ala Ala Phe Glu Gly Gln Val Gly Gln Ala Ala Tyr Ser Ala
 1 5 10 15

Ser Lys Gly Gly Ile Val Gly Met Thr Leu Pro Ile Ala
 20 25

<210> 248

<211> 22

<212> PRT

<213> Homo sapiens

<400> 248

His Pro Ile Glu Trp Ala Ile Asn Ala Ala Thr Leu Ser Gln Phe Tyr
 1 5 10 15

Ile Asn Lys Leu Cys Phe
 20

<210> 249

<211> 22

<212> PRT

<213> Homo sapiens

<400> 249

Cys Trp Ile Lys Tyr Cys Leu Thr Leu Met Gln Asn Ala Gln Leu Ser
 1 5 10 15

Met Gln Asp Asn Ile Gly
 20

<210> 250

<211> 25

<212> PRT

<213> Homo sapiens

<400> 250

Lys Val Ser Tyr Leu Arg Pro Leu Asp Phe Glu Glu Ala Arg Glu Leu
 1 5 10 15

Phe Leu Leu Gly Gln His Tyr Val Phe
 20 25

<210> 251

<211> 25

<212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (11)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 251
 Met Glu Arg Arg Cys Lys Met His Lys Arg Xaa Ile Ala Met Leu Glu
 1 5 10 15
 Pro Leu Thr Val Asp Leu Asn Pro Gln
 20 25

<210> 252
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 252
 Ser His Ile Val Lys Lys Ile Asn Asn Leu Asn Lys Ser Ala Leu Lys
 1 5 10 15
 Tyr Tyr Gln Leu Phe Leu Asp
 20

<210> 253
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 253
 Phe Thr His Leu Ser Thr Cys Leu Leu Ser Leu Leu Val Arg Met
 1 5 10 15
 Ser Gly Phe Leu Leu Leu Ala Arg Ala Ser Pro Ser Ile Cys Ala Leu
 20 25 30
 Asp Ser Ser Cys Phe Val Gln Glu Tyr Cys Ser Ser Tyr Ser Ser Ser
 35 40 45
 Cys Phe Leu His Gln His Phe Pro Ser Leu Leu Asp His Leu Cys Gln
 50 55 60

<210> 254
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 254
 Phe Leu Leu Leu Ala Arg Ala Ser Pro Ser Ile Cys Ala Leu Asp Ser
 1 5 10 15
 Ser Cys Phe Val Gln Glu Tyr

20

<210> 255
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 255
 Pro Asp Gly Arg Val Thr Asn Ile Pro Gln Gly Met Val Thr Asp Gln
 1 5 10 15
 Phe Gly Met Ile Gly Leu Leu Thr Phe Ile Arg Ala Ala Glu Thr Asp
 20 25 30
 Pro Gly Met Val His Leu Ala Leu Gly Ser Asp Leu Thr Thr Leu Gly
 35 40 45
 Leu Asn Leu Asn Ser
 50

<210> 256
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 256
 Glu Asp Leu Leu Phe Tyr Leu Tyr Tyr Met Asn Gly Gly Asp Val Leu
 1 5 10 15
 Gln Leu Leu Ala Ala Val Glu Leu Phe Asn Arg Asp Trp Arg Tyr His
 20 25 30
 Lys Glu Glu Arg Val Trp Ile Thr Arg
 35 40

<210> 257
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 257
 Val His Leu Ala Leu Gly Ser Asp Leu Thr Thr Leu Gly Leu Asn Leu
 1 5 10 15
 Asn Ser Pro Glu Asn Leu Tyr Pro
 20

<210> 258
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 258
 Glu Asp Leu Leu Phe Tyr Leu Tyr Tyr Met Asn Gly Gly Asp Val Leu
 1 5 10 15
 Gln Leu Leu Ala Ala Val Glu Leu Phe Asn Arg Asp Trp Arg Tyr His
 20 25 30

Lys Glu Glu Arg Val Trp Ile Thr Arg
 35 40

<210> 259
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 259
 His Asn Glu Asp Phe Pro Ala Leu Pro Gly Ser
 1 5 10

<210> 260
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 260
 Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg Asp Pro Leu Val Ile Glu
 1 5 10 15
 Leu Gly Gln Lys Gln Val Ile Pro Gly Leu Glu Gln Ser Leu Leu Asp
 20 25 30
 Met Cys Val Gly Glu Lys Arg Arg Ala Ile Ile Pro Ser His Leu Ala
 35 40 45
 Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val Pro Ala Asp Ala Val Val
 50 55 60
 Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile Arg
 65 70 75

<210> 261
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 261
 Ile His Tyr Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser
 1 5 10 15

<210> 262
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 262
 Cys Glu Ser Pro Glu Ser Pro Ala Gln Pro Ser Gly Ser Ser Leu Pro
 1 5 10 15

Ala Trp Tyr His
 20

<210> 263
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 263
 Glu Glu Ala Gly Ala Gly Arg Arg Cys Ser His Gly Gly Ala Arg Pro
 1 5 10 15
 Ala Gly Leu Gly Asn Glu Gly Leu Gly Leu Gly Gly Asp Pro Asp His
 20 25 30
 Thr Asp Thr Gly Ser Arg Ser Lys Gln Arg Ile Asn Asn Trp Lys Glu
 35 40 45
 Ser Lys His Lys Val Ile Met Ala Ser Ala Ser Ala Arg Gly Asn Gln
 50 55 60
 Asp Lys Asp Ala His Phe Pro Pro Pro Ser Lys Gln Ser Leu Leu Phe
 65 70 75 80
 Cys Pro Lys Ser Lys Leu His Ile His Arg Ala Glu Ile Ser Lys
 85 90 95

<210> 264
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 264
 Ser Lys Gln Arg Ile Asn Asn Trp Lys Glu Ser Lys His Lys Val Ile
 1 5 10 15
 Met Ala Ser Ala Ser Ala Arg
 20

<210> 265
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (20)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 265
 Leu Phe His Trp Ala Cys Leu Asn Glu Arg Ala Ala Gln Leu Pro Arg
 1 5 10 15
 Asn Thr Ala Xaa Ala Gly Tyr Gln Cys Pro Ser Cys Asn Gly Pro Ser
 20 25 30

<210> 266
 <211> 185

<212> PRT
 <213> Homo sapiens

<400> 266

Phe Tyr Ile Tyr Tyr Arg Pro Thr Asp Ser Asp Asn Asp Ser Asp Tyr
 1 5 10 15
 Lys Lys Asp Met Val Glu Gly Asp Lys Tyr Trp His Ser Ile Ser His
 20 25 30
 Leu Gln Pro Glu Thr Ser Tyr Asp Ile Lys Met Gln Cys Phe Asn Glu
 35 40 45
 Gly Gly Glu Ser Glu Phe Ser Asn Val Met Ile Cys Glu Thr Lys Ala
 50 55 60
 Arg Lys Ser Ser Gly Gln Pro Gly Arg Leu Pro Pro Pro Thr Leu Ala
 65 70 75 80
 Pro Pro Gln Pro Pro Leu Pro Glu Thr Ile Glu Arg Pro Val Gly Thr
 85 90 95
 Gly Ala Met Val Ala Arg Ser Ser Asp Leu Pro Tyr Leu Ile Val Gly
 100 105 110
 Val Val Leu Gly Ser Ile Val Leu Ile Ile Val Thr Phe Ile Pro Phe
 115 120 125
 Cys Leu Trp Arg Ala Trp Ser Lys Gln Lys His Thr Thr Asp Leu Gly
 130 135 140
 Phe Pro Arg Ser Ala Leu Pro Pro Ser Cys Pro Tyr Thr Met Val Pro
 145 150 155 160
 Leu Gly Gly Leu Pro Gly His Gln Ala Val Asp Ser Pro Thr Ser Val
 165 170 175
 Ala Ser Val Asp Gly Pro Val Leu Met
 180 185

<210> 267
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 267

Tyr Ile Tyr Tyr Arg Pro Thr Asp Ser Asp Asn Asp Ser Asp Tyr Lys
 1 5 10 15
 Lys Asp Met Val Glu Gly Asp Lys Tyr Trp His Ser Ile Ser His Leu
 20 25 30
 Gln Pro Glu Thr Ser Tyr Asp Ile Lys Met Gln Cys Phe Asn Glu Gly
 35 40 45
 Gly Glu Ser Glu Phe Ser Asn Val Met Ile Cys Glu Thr Lys Ala Arg
 50 55 60
 Lys Ser
 65

<210> 268

<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 268
 Asn Val Arg Ala Leu Leu His Arg Met Pro Glu Pro Pro Lys Ile Asn
 1 5 10 15
 Thr Ala Lys Phe Asn Asn Asn Lys Arg Lys Asn Leu Ser Leu
 20 25 30

<210> 269
 <211> 185
 <212> PRT
 <213> Homo sapiens

<400> 269
 Asn Thr Asn Gln Arg Glu Ala Leu Gln Tyr Ala Lys Asn Phe Gln Pro
 1 5 10 15
 Phe Ala Leu Asn His Gln Lys Asp Ile Gln Val Leu Met Gly Ser Leu
 20 25 30
 Val Tyr Leu Arg Gln Gly Ile Glu Asn Ser Pro Tyr Val His Leu Leu
 35 40 45
 Asp Ala Asn Gln Trp Ala Asp Ile Cys Asp Ile Phe Thr Arg Asp Ala
 50 55 60
 Cys Ala Leu Leu Gly Leu Ser Val Glu Ser Pro Leu Ser Val Ser Phe
 65 70 75 80
 Ser Ala Gly Cys Val Ala Leu Pro Ala Leu Ile Asn Ile Lys Ala Val
 85 90 95
 Ile Glu Gln Arg Gln Cys Thr Gly Val Trp Asn Gln Lys Asp Glu Leu
 100 105 110
 Pro Ile Glu Val Asp Leu Gly Lys Lys Cys Trp Tyr His Ser Ile Phe
 115 120 125
 Ala Cys Pro Ile Leu Arg Gln Gln Thr Thr Asp Asn Asn Pro Pro Met
 130 135 140
 Lys Leu Val Cys Gly His Ile Ile Ser Arg Asp Ala Leu Asn Lys Met
 145 150 155 160
 Phe Asn Gly Ser Lys Leu Lys Cys Pro Tyr Cys Pro Met Glu Gln Ser
 165 170 175
 Pro Gly Asp Ala Lys Gln Ile Phe Phe
 180 185

<210> 270
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 270
 Ser Tyr Leu Ser Ala Cys Phe Ala Gly Cys Asn Ser Thr Asn Leu Thr
 1 5 10 15

Gly Cys Ala Cys Leu Thr Thr Val Pro Ala Glu Asn Ala Thr Val Val
 20 25 30
 Pro Gly Lys Cys Pro Ser Pro Gly Cys Gln Glu Ala Phe Leu Thr Phe
 35 40 45
 Leu Cys Val Met Cys Ile Cys Ser Leu Ile Gly Ala Met Ala Arg His
 50 55 60

Pro
 65

<210> 271
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 271
 Pro Ser Val Ile Ile Leu Ile Arg Thr Val Ser Pro Glu Leu Lys Ser
 1 5 10 15
 Tyr Ala Leu Gly Val Leu Phe Leu Leu Arg Leu Leu Gly Phe Ile
 20 25 30
 Pro Pro Pro Leu Ile Phe Gly Ala Gly Ile Asp Ser Thr Cys Leu Phe
 35 40 45
 Trp Ser Thr Phe Cys Gly Glu Gln Gly Ala Cys Val Leu Tyr Asp Asn
 50 55 60
 Val Val Tyr Arg Tyr Leu Tyr Val Ser Ile Ala Ile Ala Leu Lys Ser
 65 70 75 80
 Phe Ala Phe Ile

<210> 272
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (29)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (30)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 272
 Gln Ser Leu Phe Thr Arg Phe Val Arg Val Gly Val Pro Thr Val Asp
 1 5 10 15
 Leu Asp Ala Gln Gly Arg Ala Arg Ala Ser Leu Cys Xaa Xaa Tyr Asn
 20 25 30
 Trp Arg Tyr Lys Asn Leu Gly Asn Leu Pro His Val Gln Leu Leu Pro

35					40					45					
Glu	Phe	Ser	Thr	Ala	Asn	Ala	Gly	Leu	Leu	Tyr	Asp	Phe	Gln	Leu	Ile
50					55					60					
Asn	Val	Glu	Asp	Phe	Gln	Gly	Val	Gly	Glu	Ser	Glu	Pro	Asn	Pro	Tyr
65					70					75					80
Phe	Tyr	Gln	Asn	Leu	Gly	Glu	Ala	Glu	Tyr	Val	Val	Ala	Leu	Phe	Met
				85					90					95	
Tyr	Met	Cys	Leu	Leu	Gly	Tyr	Pro	Ala	Asp	Lys	Ile	Ser	Ile	Leu	Thr
			100					105					110		
Thr	Tyr	Asn	Gly	Gln	Lys	His	Leu	Ile	Arg	Asp	Ile	Ile	Asn	Arg	Arg
			115				120					125			
Cys	Gly	Asn	Asn	Pro	Leu	Ile	Gly	Arg	Pro	Asn	Lys	Val	Thr	Thr	Val
	130					135					140				
Asp	Arg	Phe	Gln	Gly	Gln	Gln	Asn	Asp	Tyr	Ile	Leu	Leu	Ser	Leu	Val
145					150					155					160
Arg	Thr	Arg	Ala	Val	Gly	His	Leu	Arg	Asp	Val	Arg	Arg	Leu	Val	Val
				165					170					175	
Ala	Met	Ser	Arg	Ala	Arg										
				180											

<210> 273
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 273
 Leu Val Lys Glu Ala Lys Ile Ile Ala Met Thr Cys Thr His Ala Ala
 1 5 10 15
 Leu Lys Arg His Asp Leu Val Lys Leu Gly Phe Lys Tyr Asp Asn Ile
 20 25 30
 Leu Met Glu Glu Ala Ala Gln Ile Leu Glu Ile Glu Thr Phe Ile Pro
 35 40 45
 Leu Leu Leu Gln Asn Pro Gln Asp Gly Phe Ser Arg Leu Lys Arg Trp
 50 55 60
 Ile Met Ile Gly Asp His His Gln Leu Pro Pro Val Ile
 65 70 75

<210> 274
 <211> 125
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (16)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE

<222> (17)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>
 <221> MISC_FEATURE
 <222> (43)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 274
 Asp Thr Tyr Pro Asn Glu Glu Lys Gln Gln Glu Arg Val Phe Pro Xaa
 1 5 10 15
 Xaa Ser Ala Met Val Asn Asn Gly Ser Leu Ser Tyr Asp His Glu Arg
 20 25 30
 Asp Gly Arg Pro Thr Glu Leu Gly Gly Cys Xaa Ala Ile Val Arg Asn
 35 40 45
 Leu His Tyr Asp Thr Phe Leu Val Ile Arg Tyr Val Lys Arg His Leu
 50 55 60
 Thr Ile Met Met Asp Ile Asp Gly Lys His Glu Trp Arg Asp Cys Ile
 65 70 75 80
 Glu Val Pro Gly Val Arg Leu Pro Arg Gly Tyr Tyr Phe Gly Thr Ser
 85 90 95
 Ser Ile Thr Gly Asp Leu Ser Asp Asn His Asp Val Ile Ser Leu Lys
 100 105 110
 Leu Phe Glu Leu Thr Val Glu Arg Thr Pro Glu Glu Glu
 115 120 125

<210> 275
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 275
 Leu Lys Arg Glu His Ser Leu Ser Lys Pro Tyr Gln Gly Val Gly Thr
 1 5 10 15
 Gly Ser Ser Ser Leu Trp Asn Leu Met Gly Asn Ala Met Val Met Thr
 20 25 30
 Gln Tyr Ile Arg Leu Thr Pro Asp Met Gln Ser Lys Gln Gly Ala Leu
 35 40 45
 Trp Asn Arg Val Pro Cys Phe Leu Arg Asp Trp Glu Leu Gln Val His
 50 55 60
 Phe Lys Ile His Gly Gln Gly Lys Lys Asn Leu His Gly Asp Gly Leu
 65 70 75 80
 Ala Ile Trp Tyr Thr
 85

<210> 276
 <211> 32
 <212> PRT

<213> Homo sapiens

<400> 276

Pro Gly Thr Leu Gln Cys Ser Ala Leu His His Asp Pro Gly Cys Ala
1 5 10 15

Asn Cys Ser Arg Phe Cys Arg Asp Cys Ser Pro Pro Ala Cys Gln Cys
20 25 30

<210> 277

<211> 27

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (8)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 277

Phe Leu Tyr Asp Val Leu Met Xaa His Glu Ala Val Met Arg Thr His
1 5 10 15

Gln Ile Gln Leu Pro Asp Pro Glu Phe Pro Ser
20 25

<210> 278

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (4)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 278

Pro Ala Asp Xaa Lys Pro Val Val Ser Thr Glu Ala Pro Pro Ile Ile
1 5 10 15

Phe Ala Thr Pro Thr Lys Leu Thr Ser Asp Ser Thr Val Tyr Asp Tyr
20 25 30

Ala Gly Lys Asn Lys Val Pro Glu Leu Gln Lys Phe Phe Gln Lys Ala
35 40 45

Asp Gly Val Pro Val Tyr Leu Lys Arg Gly Leu Pro Asp Gln Met Leu
50 55 60

Tyr Arg Thr Thr Met Ala Leu Thr Val Gly Gly Thr Ile Tyr Cys Leu
65 70 75 80

Ile Ala Leu Tyr Met Ala Ser Gln Pro Lys Asn Lys
85 90

<210> 279
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (45)
 <223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 279
 Ser Phe Ser Gly Ala Val Ala Leu Ala Ala Asp Ala Gly Ser Arg Thr
 1 5 10 15
 Leu Gly Val Met Tyr Tyr Lys Phe Ser Gly Phe Thr Gln Lys Leu Ala
 20 25 30
 Gly Ala Trp Ala Ser Glu Ala Tyr Ser Pro Gln Ile Xaa Ser Leu Trp
 35 40 45
 Phe Pro Gln Lys His His Leu Ser Tyr Leu Pro His Gln Leu Asn
 50 55 60

<210> 280
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 280
 Gly Trp Tyr Trp Cys Gly
 1 5

<210> 281
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 281
 Met Lys Val Gly Ala Arg Ile Arg Val Lys Met Ser Val Asn Lys Ala
 1 5 10 15
 His Pro Val Val Ser Thr His Trp Arg Trp Pro Ala Glu Trp Pro Gln
 20 25 30
 Met Phe Leu His Leu Ala Gln Glu Pro Arg Thr Glu Val Lys Ser Arg
 35 40 45
 Pro Leu Gly Leu Ala Gly Phe Ile Arg Gln Asp Ser Lys Thr Arg Lys
 50 55 60
 Pro Leu Glu Gln Glu Thr Ile Met Ser Ala Ala Asp Thr Ala Leu Trp
 65 70 75 80
 Pro Tyr Gly His Gly Asn Arg Glu His Gln Glu Asn Glu Leu Gln Lys
 85 90 95
 Tyr Leu Gln Tyr Lys Asp Met His Leu Leu Asp Ser Gly Gln Ser Leu
 100 105 110
 Gly His Thr His Thr Leu Gln Gly Ser His Asn Leu Thr Ala Leu Asn

115

120

125

Ile

<210> 282
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 282
 Ser Leu His Lys Asn Ser Val Ser Gln Ile Ser Val Leu Ser Gly Gly
 1 5 10 15
 Lys Ala Lys Cys Ser Gln Phe Cys Thr Thr Gly Met Asp Gly Gly Met
 20 25 30
 Ser Ile Trp Asp Val Lys Ser Leu Glu Ser Ala Leu Lys Asp Leu Lys
 35 40 45

Ile

<210> 283
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 283
 Glu Ala Ser Lys Ser Ser His Ala Gly Leu Asp Leu Phe Ser Val Ala
 1 5 10 15

Ala Cys His Arg Phe
 20

<210> 284
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 284
 Tyr Met Gly Lys Gly Ser Met Thr Gly Leu Ala Leu Lys His Met Phe
 1 5 10 15

Glu Arg Ser Phe Thr
 20

<210> 285
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 285
 Val Thr Gly Ile Ile Asp Ser Leu Thr Ile Ser Pro Lys Ala Ala Arg
 1 5 10 15

Val Gly Leu Leu Gln Tyr Ser Thr Gln Val His
 20 25

<210> 286
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 286
 Thr Glu Phe Thr Leu Arg Asn Phe Asn Ser Ala Lys Asp Met Lys Lys
 1 5 10 15
 Ala Val Ala His Met Lys Tyr Met
 20

<210> 287
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 287
 Gly Lys Gly Ser Met Thr Gly Leu Ala Leu Lys His Met Phe Glu Arg
 1 5 10 15
 Ser Phe Thr Gln Gly Glu Gly Ala Arg Pro Phe
 20 25

<210> 288
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 288
 Ser Thr Arg Val Pro Arg Ala Ala Ile Val Phe Thr Asp Gly Arg Ala
 1 5 10 15
 Gln Asp Asp Val Ser Glu Trp Ala Ser Lys Ala Lys Ala Asn Gly Ile
 20 25 30
 Thr Met Tyr Ala Val Gly Val Gly Lys Ala Ile Glu
 35 40

<210> 289
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 289
 Glu Glu Leu Gln Glu Ile Ala Ser Glu Pro Thr Asn Lys His Leu Phe
 1 5 10 15
 Tyr Ala Glu Asp Phe Ser Thr Met Asp Glu Ile Ser Glu Lys Leu Lys
 20 25 30
 Lys Gly Ile Cys Glu Ala Leu Glu Asp Ser
 35 40

<210> 290
 <211> 11

<212> PRT
 <213> Homo sapiens

<400> 290
 Thr Gln Arg Leu Glu Glu Met Thr Gln Arg Met
 1 5 10

<210> 291
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 291
 Pro Gln Gly Cys Pro Glu Gln Pro Leu His
 1 5 10

<210> 292
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 292
 Arg Cys Lys Lys Cys Thr Glu Gly Pro Ile Asp Leu Val Phe Val Ile
 1 5 10 15

Asp Gly Ser Lys Ser Leu Gly Glu Glu Asn Phe Glu Val Val Lys Gln
 20 25 30

Phe

<210> 293
 <211> 193
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (35)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 293
 Gly Trp Glu Thr Leu Pro Lys Lys Asp Val Cys Lys Ser Thr His His
 1 5 10 15

Gly Cys Glu His Ile Cys Val Asn Asn Gly Asn Ser Tyr Ile Cys Lys
 20 25 30

Cys Ser Xaa Gly Phe Val Leu Ala Glu Asp Gly Arg Arg Cys Lys Lys
 35 40 45

Cys Thr Glu Gly Pro Ile Asp Leu Val Phe Val Ile Asp Gly Ser Lys
 50 55 60

Ser Leu Gly Glu Glu Asn Phe Glu Val Val Lys Gln Phe Val Thr Gly
 65 70 75 80

Ile Ile Asp Ser Leu Thr Ile Ser Pro Lys Ala Ala Arg Val Gly Leu

85										90					95				
Leu	Gln	Tyr	Ser	Thr	Gln	Val	His	Thr	Glu	Phe	Thr	Leu	Arg	Asn	Phe				
			100					105					110						
Asn	Ser	Ala	Lys	Asp	Met	Lys	Lys	Ala	Val	Ala	His	Met	Lys	Tyr	Met				
		115					120					125							
Gly	Lys	Gly	Ser	Met	Thr	Gly	Leu	Ala	Leu	Lys	His	Met	Phe	Glu	Arg				
	130					135					140								
Ser	Phe	Thr	Gln	Gly	Glu	Gly	Ala	Arg	Pro	Phe	Pro	Gln	Gly	Cys	Pro				
145					150					155					160				
Glu	Gln	Pro	Leu	Cys	Ser	Pro	Thr	Asp	Gly	Leu	Arg	Met	Thr	Ser	Pro				
				165					170					175					
Ser	Gly	Pro	Val	Lys	Pro	Arg	Pro	Met	Val	Ser	Leu	Cys	Met	Leu	Leu				
			180					185					190						

Gly

<210> 294
 <211> 193
 <212> PRT
 <213> Homo sapiens

<400> 294

Lys	Phe	Tyr	Pro	Arg	Arg	Arg	Gly	Gln	Ala	Leu	Ser	Thr	Arg	Val	Pro				
1				5					10					15					
Arg	Ala	Ala	Ile	Val	Phe	Thr	Asp	Gly	Arg	Ala	Gln	Asp	Asp	Val	Ser				
			20					25					30						
Glu	Trp	Ala	Ser	Lys	Ala	Lys	Ala	Asn	Gly	Ile	Thr	Met	Tyr	Ala	Val				
	35						40					45							
Gly	Val	Gly	Lys	Ala	Ile	Glu	Glu	Glu	Leu	Gln	Glu	Ile	Ala	Ser	Glu				
	50					55					60								
Pro	Thr	Asn	Lys	His	Leu	Phe	Tyr	Ala	Glu	Asp	Phe	Ser	Thr	Met	Asp				
65					70					75					80				
Glu	Ile	Ser	Glu	Lys	Leu	Lys	Lys	Gly	Ile	Cys	Glu	Ala	Leu	Glu	Asp				
				85				90						95					
Ser	Asp	Gly	Arg	Gln	Asp	Ser	Pro	Ala	Gly	Glu	Leu	Pro	Lys	Thr	Val				
		100						105					110						
Gln	Gln	Pro	Thr	Val	Gln	His	Arg	Tyr	Leu	Phe	Glu	Glu	Asp	Asn	Leu				
		115					120					125							
Leu	Arg	Ser	Thr	Gln	Lys	Leu	Ser	His	Ser	Thr	Lys	Pro	Ser	Gly	Ser				
130						135					140								
Pro	Leu	Glu	Glu	Lys	His	Asp	Gln	Cys	Lys	Cys	Glu	Asn	Leu	Ile	Met				
145					150					155					160				
Phe	Gln	Asn	Leu	Ala	Asn	Glu	Glu	Val	Arg	Lys	Leu	Thr	Gln	Arg	Leu				
				165					170					175					
Glu	Glu	Met	Thr	Gln	Arg	Met	Glu	Ala	Leu	Glu	Asn	Arg	Leu	Arg	Tyr				
				180				185					190						

Arg

<210> 295
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 295
 Met Ala Ala Leu Leu Leu Arg His Val Gly Arg His Cys Leu Arg Ala
 1 5 10 15
 His Phe Ser Pro Gln Leu Cys Ile Arg Asn Ala Val Pro Leu Gly Thr
 20 25 30
 Thr Ala Lys Glu Glu Met Glu Arg Phe Trp Asn Lys Asn Ile Gly Ser
 35 40 45
 Asn Arg Pro Leu Ser Pro His Ile Thr Ile Tyr Ser
 50 55 60

<210> 296
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 296
 Val Phe Pro Leu Met Tyr His Thr Trp Asn Gly Ile Arg His Leu Met
 1 5 10 15
 Trp Asp Leu Gly Lys Gly Leu Lys Ile Pro Gln Leu Tyr Gln Ser Gly
 20 25 30

<210> 297
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 297
 Met Ala Ala Leu Leu Leu Arg His Val Gly Arg His Cys Leu Arg Ala
 1 5 10 15

His

<210> 298
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 298
 Val Lys Ser Leu Cys Leu Gly Pro Ala Leu Ile His Thr Ala Lys Phe
 1 5 10 15

Ala Leu

<210> 299
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 299
 Val Phe Pro Leu Met Tyr His Thr Trp Asn Gly Ile Arg His Leu Met
 1 5 10 15
 Trp Asp Leu Gly Lys Gly Leu
 20

<210> 300
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 300
 Arg Val Trp Asp Val Arg Pro Phe Ala Pro Lys Glu Arg Cys Val Lys
 1 5 10 15
 Ile Phe Gln Gly Asn Val
 20

<210> 301
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 301
 His Asn Phe Glu Lys Asn Leu Leu Arg Cys Ser Trp Ser Pro Asp Gly
 1 5 10 15
 Ser Lys Ile Ala Ala Gly Ser Ala Asp Arg Phe Val Tyr Val
 20 25 30

<210> 302
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 302
 Trp Asp Thr Thr Ser Arg Arg Ile Leu Tyr Lys Leu Pro Gly His Ala
 1 5 10 15
 Gly Ser Ile Asn Glu Val Ala Phe His Pro Asp Glu Pro Ile
 20 25 30

<210> 303
 <211> 141
 <212> PRT
 <213> Homo sapiens

<400> 303

Tyr Gln Gly Leu Gly Leu Arg Gln Asn Lys Leu Thr Tyr Thr Met Arg
 1 5 10 15

Gly His Ala Asp Ser Val Thr Gly Leu Ser Leu Ser Ser Glu Gly Ser
 20 25 30

Tyr Leu Leu Ser Asn Ala Met Asp Asn Thr Val Arg Val Trp Asp Val
 35 40 45

Arg Pro Phe Ala Pro Lys Glu Arg Cys Val Lys Ile Phe Gln Gly Asn
 50 55 60

Val His Asn Phe Glu Lys Asn Leu Leu Arg Cys Ser Trp Ser Pro Asp
 65 70 75 80

Gly Ser Lys Ile Ala Ala Gly Ser Ala Asp Arg Phe Val Tyr Val Trp
 85 90 95

Asp Thr Thr Ser Arg Arg Ile Leu Tyr Lys Leu Pro Gly His Ala Gly
 100 105 110

Ser Ile Asn Glu Val Ala Phe His Pro Asp Glu Pro Ile Ile Ile Ser
 115 120 125

Ala Ser Ser Asp Lys Arg Leu Tyr Met Gly Glu Ile Gln
 130 135 140

<210> 304

<211> 45

<212> PRT

<213> Homo sapiens

<400> 304

Arg Lys Lys Ala Ala Ile Gln Thr Phe Gln Asn Thr Tyr Gln Val Leu
 1 5 10 15

Ala Val Thr Phe Asn Asp Thr Ser Asp Gln Ile Ile Ser Gly Gly Ile
 20 25 30

Asp Asn Asp Ile Lys Val Trp Asp Cys Ala Arg Thr Ser
 35 40 45

<210> 305

<211> 20

<212> PRT

<213> Homo sapiens

<400> 305

Val Arg Gly Arg Thr Val Leu Arg Pro Gly Leu Asp Ala Glu Pro Glu
 1 5 10 15

Leu Ser Pro Glu
 20

<210> 306

<211> 19

<212> PRT

<213> Homo sapiens

<400> 306

Glu Gln Arg Val Leu Glu Arg Lys Leu Lys Lys Glu Arg Lys Lys Glu
 1 5 10 15

Glu Arg Gln

<210> 307

<211> 13

<212> PRT

<213> Homo sapiens

<400> 307

Arg Leu Arg Glu Ala Gly Leu Val Ala Gln His Pro Pro
 1 5 10

<210> 308

<211> 17

<212> PRT

<213> Homo sapiens

<400> 308

Gly Arg Ile Pro Ala Pro Ala Pro Ser Val Pro Ala Gly Pro Asp Ser
 1 5 10 15

Arg

<210> 309

<211> 61

<212> PRT

<213> Homo sapiens

<400> 309

Ala Arg Arg Ser Gly Ala Glu Leu Ala Trp Asp Tyr Leu Cys Arg Trp
 1 5 10 15

Ala Gln Lys His Lys Asn Trp Arg Phe Gln Lys Thr Arg Gln Thr Trp
 20 25 30

Leu Leu Leu His Met Tyr Asp Ser Asp Lys Val Pro Asp Glu His Phe
 35 40 45

Ser Thr Leu Leu Ala Tyr Leu Glu Gly Leu Gln Gly Arg
 50 55 60

<210> 310

<211> 42

<212> PRT

<213> Homo sapiens

<400> 310

Thr Gly Cys Val Leu Val Leu Ser Arg Asn Phe Val Gln Tyr Ala Cys
 1 5 10 15

Phe Gly Leu Phe Gly Ile Ile Ala Leu Gln Thr Ile Ala Tyr Ser Ile
 20 25 30

Leu Trp Asp Leu Lys Phe Leu Met Arg Asn
 35 40

<210> 311
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 311
 Ser Arg Ser Glu Gly Lys Ser Met Phe Ala Gly Val Pro Thr Met Arg
 1 5 10 15
 Glu Ser Ser Pro Lys Gln Tyr Met Gln Leu Gly Gly Arg Val Leu Leu
 20 25 30
 Val Leu Met Phe Met Thr Leu Leu His Phe Asp Ala Ser Phe Phe Ser
 35 40 45
 Ile Val Gln Asn Ile Val Gly
 50 55

<210> 312
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 312
 Gly Thr Ala Glu Asp Phe Ala Asp Gln Phe Leu Arg Val Thr Lys Gln
 1 5 10 15
 Tyr Leu Pro His Val Ala Arg Leu Cys Leu Ile Ser Thr Phe Leu Glu
 20 25 30
 Asp Gly Ile Arg Met Trp Phe Gln Trp Ser Glu Gln Arg Asp Tyr Ile
 35 40 45
 Asp Thr Thr Trp Asn Cys Gly Tyr Leu Leu Ala Ser
 50 55 60

<210> 313
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 313
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala Leu Met Ile
 1 5 10 15

Leu

<210> 314
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 314
 Leu Met Arg Asn Glu Ser Arg Ser

1

5

<210> 315
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 315
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala
 1 5 10

<210> 316
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 316
 Ala Ser Phe Leu Leu Ser Arg Thr Ser Trp Gly Thr Ala Leu Met Ile
 1 5 10 15

Leu

<210> 317
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 317
 Pro Ser Phe Thr Leu Thr Pro Ala Ser Phe Leu Leu Ser Arg Thr Ser
 1 5 10 15

Trp Gly Thr Ala Leu Met Ile Leu Val Ala Ile Gly Phe Lys Thr Lys
 20 25 30

Leu Ala Ala Leu Thr Leu Val Val Trp Leu Phe Ala Ile Asn Val Tyr
 35 40 45

Phe Asn Ala Phe Trp Thr Ile Pro Val Tyr Lys Pro Met His Asp Phe
 50 55 60

Leu Lys Tyr Asp Phe Phe Gln Thr
 65 70

<210> 318
 <211> 236
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (115)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 318
 Arg Thr Glu Pro Pro Pro Gly Thr Ser Cys Gly Gly Arg Ser Gly Cys
 1 5 10 15

Gly Arg Arg Arg Ala Arg Ala Ser Glu Arg Ala Ser Glu Pro Ser Arg
 20 25 30
 Ala Ser Arg Arg Arg His Gly Pro Glu Arg Pro Asp Gly His Gly Arg
 35 40 45
 Gly Leu Arg Arg Pro Val Pro Pro Cys His Lys Ala Val Pro Ala Pro
 50 55 60
 Arg Gly Ala Pro Leu Ser Asp Gln His Leu Pro Gly Gly Arg His Pro
 65 70 75 80
 Tyr Val Val Pro Val Glu Arg Ala Ala Arg Leu His Arg His His Leu
 85 90 95
 Glu Leu Arg Leu Pro Ala Gly Leu Val Leu Arg Leu Pro Gln Leu Ala
 100 105 110
 Gly Thr Xaa Thr Gly Cys Val Leu Val Leu Ser Arg Asn Phe Val Gln
 115 120 125
 Tyr Ala Cys Phe Gly Leu Phe Gly Ile Ile Ala Leu Gln Thr Ile Ala
 130 135 140
 Tyr Ser Ile Leu Trp Asp Leu Lys Phe Leu Met Arg Asn Leu Ala Leu
 145 150 155 160
 Gly Gly Gly Leu Leu Leu Leu Ala Glu Ser Arg Ser Glu Gly Lys
 165 170 175
 Ser Met Phe Ala Gly Val Pro Thr Met Arg Glu Ser Ser Pro Lys Gln
 180 185 190
 Tyr Met Gln Leu Gly Gly Arg Val Leu Leu Val Leu Met Phe Met Thr
 195 200 205
 Leu Leu His Phe Asp Ala Ser Phe Phe Ser Ile Val Gln Asn Ile Val
 210 215 220
 Gly His Ser Ser Asp Asp Phe Ser Gly His Trp Phe
 225 230 235

<210> 319

<211> 114

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (2)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (114)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 319

Gly Xaa Ser Arg Arg Arg Ala Leu Pro Val Glu Ala Ala Ala Gly Ala
 1 5 10 15

Gly Ala Asp Gly Arg Glu Pro Ala Ser Glu Arg Ala Ser Arg Ala Glu
 20 25 30
 Pro Pro Ala Val Ala Met Gly Gln Asn Asp Leu Met Gly Thr Ala Glu
 35 40 45
 Asp Phe Ala Asp Gln Phe Leu Arg Val Thr Lys Gln Tyr Leu Pro His
 50 55 60
 Val Ala Arg Leu Cys Leu Ile Ser Thr Phe Leu Glu Asp Gly Ile Arg
 65 70 75 80
 Met Trp Phe Gln Trp Ser Glu Gln Arg Asp Tyr Ile Asp Thr Thr Trp
 85 90 95
 Asn Cys Gly Tyr Leu Leu Ala Ser Ser Phe Val Phe Leu Asn Leu Leu
 100 105 110
 Gly Xaa

<210> 320
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 320
 Trp Val Phe Leu Phe Leu Leu Ala Leu Gly Gly Leu Gly Pro Asp Ser
 1 5 10 15
 Gly Arg Cys Leu Cys Arg Glu Gly Arg Ile Ser Gly Ile Tyr Gln Leu
 20 25 30
 Ile Leu Ala Lys Gln Phe Leu Arg Phe Phe Cys Phe Met Trp Glu Thr
 35 40 45
 Asp Leu Asn Leu Ile Leu Cys Cys Ile Leu Tyr Leu Ser Cys Val
 50 55 60

<210> 321
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 321
 Ser Met Ser Ala Leu Thr Arg Leu Ala Ser Phe Ala Arg Val Gly Gly
 1 5 10 15
 Arg Leu Phe Arg Ser Gly Cys Ala Arg Thr Ala Gly Asp Gly Gly Val
 20 25 30
 Arg His Ala Gly Gly Gly Val His Ile Glu Pro Arg Tyr Arg Gln Phe
 35 40 45
 Pro Gln Leu Thr Arg Ser Gln Val Phe Gln Ser Glu Phe Phe Ser Gly
 50 55 60
 Leu Met Trp Phe Trp Ile Leu Trp Arg Phe Trp His Asp Ser Glu Glu
 65 70 75 80
 Val Leu Gly His Phe Pro Tyr Pro Asp Pro Ser Gln Trp Thr Asp Glu
 85 90 95

Glu Leu Gly Ile Pro Pro Asp Asp Glu Asp
100 105

<210> 322
<211> 20
<212> PRT
<213> Homo sapiens

<400> 322
Phe Ile Ser Phe Ala Asn Ser Arg Ser Ser Glu Asp Thr Lys Gln Met
1 5 10 15

Met Ser Ser Phe
20

<210> 323
<211> 27
<212> PRT
<213> Homo sapiens

<400> 323
Asp Pro Arg Arg Pro Asn Lys Val Leu Arg Tyr Lys Pro Pro Pro Ser
1 5 10 15

Glu Cys Asn Pro Ala Leu Asp Asp Pro Thr Pro
20 25

<210> 324
<211> 30
<212> PRT
<213> Homo sapiens

<400> 324
Asp Tyr Met Asn Leu Leu Gly Met Ile Phe Ser Met Cys Gly Leu Met
1 5 10 15

Leu Lys Leu Lys Trp Cys Ala Trp Val Ala Val Tyr Cys Ser
20 25 30

<210> 325
<211> 22
<212> PRT
<213> Homo sapiens

<400> 325
Met Leu Ser Ile Ser Ala Val Val Met Ser Tyr Leu Gln Asn Pro Gln
1 5 10 15

Pro Met Thr Pro Pro Trp
20

<210> 326
<211> 52
<212> PRT
<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (35)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 326

Ala Ala Gly Asp Gly Asp Val Lys Leu Gly Thr Leu Gly Ser Gly Ser
1 5 10 15Glu Ser Ser Asn Asp Gly Gly Ser Glu Ser Pro Gly Asp Ala Gly Ala
20 25 30Ala Ala Xaa Gly Gly Gly Trp Ala Ala Ala Leu Ala Leu Leu Thr
35 40 45Gly Gly Gly Glu
50

<210> 327

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (45)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 327

Ser Thr His Ala Ser Gly Arg Ala Val Met Ala Ala Gly Asp Gly Asp
1 5 10 15Val Lys Leu Gly Thr Leu Gly Ser Gly Ser Glu Ser Ser Asn Asp Gly
20 25 30Gly Ser Glu Ser Pro Gly Asp Ala Gly Ala Ala Ala Xaa Gly Gly Gly
35 40 45Trp Ala Ala Ala Ala Leu Ala Leu Leu Thr Gly Gly Gly Glu
50 55 60

<210> 328

<211> 177

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (26)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (84)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<220>

<221> MISC_FEATURE

<222> (111)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 328

Ala Ala Asp Asn Tyr Gly Ile Pro Arg Ala Cys Arg Asn Ser Ala Arg
1 5 10 15Ser Tyr Gly Ala Ala Trp Leu Leu Leu Xaa Pro Ala Gly Ser Ser Arg
20 25 30Val Glu Pro Thr Gln Asp Ile Ser Ile Ser Asp Gln Leu Gly Gly Gln
35 40 45Asp Val Pro Val Phe Arg Asn Leu Ser Leu Leu Val Val Gly Val Gly
50 55 60Ala Val Phe Ser Leu Leu Phe His Leu Gly Thr Arg Glu Arg Arg Arg
65 70 75 80Pro His Ala Xaa Glu Pro Gly Glu His Thr Pro Leu Leu Ala Pro Ala
85 90 95Thr Ala Gln Pro Leu Leu Leu Trp Lys His Trp Leu Arg Glu Xaa Ala
100 105 110Phe Tyr Gln Val Gly Ile Leu Tyr Met Thr Thr Arg Leu Ile Val Asn
115 120 125Leu Ser Gln Thr Tyr Met Ala Met Tyr Leu Thr Tyr Ser Leu His Leu
130 135 140Pro Lys Lys Phe Ile Ala Thr Ile Pro Leu Val Met Tyr Leu Ser Gly
145 150 155 160Phe Leu Ser Ser Phe Leu Met Lys Pro Ile Asn Lys Cys Ile Gly Arg
165 170 175

Asn

<210> 329

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (7)

<223> Xaa equals any of the L-amino acids commonly found in naturally occurring proteins

<400> 329

Cys Thr Leu Ala Met Trp Xaa Leu Gly His Cys Asp Pro Arg Arg Cys
1 5 10 15Thr Gly Arg Lys Leu Ala Arg Leu Gly Leu Val Arg Cys Leu Arg Leu
20 25 30Gly His Arg Phe Gly Gly Leu Val Leu Ser Pro Val Gly Lys Gln Tyr
35 40 45

Ala Ser Pro Ala Asp Arg Gln Leu Val Ala Gln Ser Gly Val Ala Val

50

55

60

Ile Asp Cys Ser Trp Ala Arg Leu Asp Glu Thr Pro Phe Gly Lys
 65 70 75

<210> 330
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 330
 Ser Gly Arg Gly Ala Arg Ser Asp Val Thr Ala Met Ala Gly Ile Lys
 1 5 10 15
 Ala Leu Ile Ser Leu Ser Phe Gly Gly Ala Ile Gly Leu Met Phe Leu
 20 25 30
 Met Leu Gly Cys Ala Leu Pro Ile Tyr Asn Lys Tyr Trp Pro Leu Phe
 35 40 45
 Val Leu Phe Phe Tyr Ile Leu Ser Pro Ile Pro Tyr Cys Ile Ala Arg
 50 55 60
 Arg Leu Val Asp Asp Thr Asp Ala
 65 70

<210> 331
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (5)
 <223> Xaa equals any of the L-amino acids commonly found in naturally
 occurring proteins

<400> 331
 Ala Arg Val Arg Xaa Arg Gly Ala Leu Ser Leu Ser Val Gly Ala Ala
 1 5 10 15
 Cys Gly Leu Val Ala Leu Trp Gln Arg Arg Arg Gln Asp Ser Gly Thr
 20 25 30

<210> 332
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 332
 Leu Ser Asn Asn Ala Gln Asn Trp Gly Met Gln Arg Ala Thr Asn Val
 1 5 10 15
 Thr Tyr Gln Ala His His Val Ser Arg Asn Lys Arg Gly Gln Val Val
 20 25 30
 Gly Thr Arg Gly Gly Phe Arg Gly Cys Thr Val Trp Leu

35

40

45

<210> 333
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 333
 Val Ser Met Ala Leu Glu Glu Tyr Leu Val Cys His Gly Ile Pro Cys
 1 5 10 15
 Tyr Thr Leu Asp Gly Asp Asn Ile Arg Gln Gly Leu Asn Lys Asn Leu
 20 25 30
 Gly Phe Ser Pro Glu Asp
 35

<210> 334
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 334
 Thr Gln Asp Arg Asn Asn Ala Arg Gln Ile His Glu Gly Ala Ser Leu
 1 5 10 15
 Pro Phe Phe Glu Val Phe Val Asp Ala Pro Leu His Val Cys Glu Gln
 20 25 30
 Arg Asp Val Lys Gly Leu Tyr
 35

<210> 335
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 335
 Phe Thr Gly Ile Asp Ser Glu Tyr Glu Lys Pro Glu Ala Pro Glu Leu
 1 5 10 15
 Val Leu Lys Thr Asp Ser Cys Asp Val Asn Asp Cys Val Gln Gln Val
 20 25 30
 Val Glu Leu Leu Gln Glu Arg Asp
 35 40

<210> 336
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 336
 Ala Glu Thr Leu Pro Ala Leu Lys Ile Asn Lys Val Asp Met Gln Trp
 1 5 10 15
 Val Gln Val Leu Ala Glu Gly Trp Ala Thr Pro Leu Asn Gly Phe Met
 20 25 30

Arg Glu Arg Glu Tyr Leu Gln Cys Leu
 35 40

<210> 337
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 337
 Val Pro Ile Val Leu Thr Ala Thr His Glu Asp Lys Glu Arg Leu Asp
 1 5 10 15
 Gly Cys Thr Ala Phe Ala Leu Met Tyr Glu Gly Arg Arg Val
 20 25 30

<210> 338
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 338
 Ile Gly Gly Asp Leu Gln Val Leu Asp Arg Val Tyr Trp Asn Asp Gly
 1 5 10 15
 Leu Asp Gln Tyr Arg Leu Thr Pro Thr Glu Leu Lys Gln Lys Phe Lys
 20 25 30
 Asp Met Asn Ala Asp Ala Val
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 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 339
 Gly His Ala Leu Leu Met Gln Asp Thr His Lys Gln Leu Leu Glu Arg
 1 5 10 15
 Gly Tyr Arg Arg Pro Val Leu Leu Leu His Pro Leu Gly Gly Trp Thr
 20 25 30
 Lys Asp Asp Asp Val
 35

<210> 340
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 340
 Met Tyr Ala Gly Pro Thr Glu Val Gln Trp His Cys Arg Ala Arg Met
 1 5 10 15
 Val Ala Gly Ala Asn Phe Tyr Ile Val Gly Arg Asp Pro Ala Gly Met
 20 25 30

Pro His Pro Glu Thr Gly Lys Asp Leu
 35 40

<210> 341
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 341
 Leu Thr Met Ala Pro Gly Leu Ile Thr Leu Glu Ile Val Pro Phe Arg
 1 5 10 15
 Val Ala Ala Tyr Asn Lys Lys Lys Lys Arg Met Asp Tyr Tyr Asp Ser
 20 25 30

Glu His

<210> 342
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 342
 Gly Phe Met Ala Pro Lys Ala Trp Thr Val Leu Thr Glu Tyr Tyr Lys
 1 5 10 15

Ser Leu Glu

<210> 343
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 <213> Homo sapiens

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 Gly Ser Tyr Gly Tyr Ile Lys Thr Thr Ala Val Glu Ile Xaa Tyr Asp
 20 25 30

Ser Leu Lys Leu Lys Lys Asp Ser Leu Gly Ala Pro Ser Arg Pro Ile
 35 40 45
 Glu Asp Asp Gln Glu Val Tyr Asp Asp Val Ala Glu Gln Asp Asp Ile
 50 55 60
 Ser Ser His Ser Gln Ser Gly Ser Gly Gly Ile Phe Pro Pro Pro Pro
 65 70 75 80
 Asp Asp Asp Ile Tyr Asp Gly Ile Glu Glu Glu Asp Ala Asp Asp Gly
 85 90 95
 Phe Pro Ala Pro Pro Lys Gln Leu Asp Met Gly Asp Glu Val Tyr Asp
 100 105 110
 Asp Val Asp Thr Ser Asp Phe Pro Val Ser Ser Ala Glu Met Ser Gln
 115 120 125
 Gly Thr Asn Val Gly Lys Ala Lys Thr Glu Glu Lys Asp Leu Lys Lys
 130 135 140
 Leu Lys Lys Gln Xaa Lys Glu Xaa Lys Asp Phe Arg Lys Lys Phe Lys
 145 150 155 160
 Tyr Asp Gly Glu Ile Arg Val Leu Tyr Ser Thr Lys Val Thr Thr Ser
 165 170 175
 Ile Thr Ser Lys Lys Trp Gly Thr Arg Asp Leu Gln Val Lys Pro Gly
 180 185 190
 Glu Ser Leu Glu Val Ile Gln Thr Thr Asp Asp Thr Lys Val Leu Cys
 195 200 205
 Arg Asn Glu Glu Gly Lys Tyr Gly Tyr Val Leu Arg Ser Tyr Leu Ala
 210 215 220
 Asp Asn Asp Gly Glu Ile Tyr Asp Asp Ile Ala Asp Gly Cys Ile Tyr
 225 230 235 240
 Asp Asn Asp